

SERVICE MANUAL

KV-EX29M69 RM-963 Singapore SCC-U37A-A

AG-3E CHASSIS

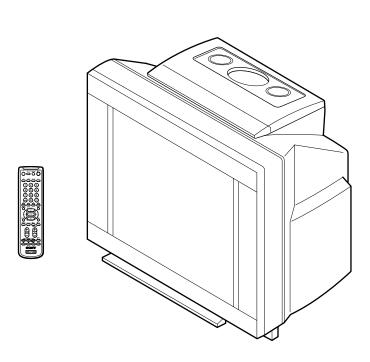
MODEL

COMMANDER DEST.

CHASSIS NO.

MODEL

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SPECIFICATIONS

		Note
Power requirements	110-240 V AC, 50/60 Hz	
Power consumption (W)	Indicated on the rear of the TV	
Television system	B/G, I, D/K, M	
Color system	PAL, PAL 60, SECAM, NTSC4.43, NTSC3.58	
Stereo/Bilingual system	NICAM Stereo/Bilingual B/G, I, D/K; A2 Stereo/Bilingual B/G	
Teletext Language	English, Arabic, French	
Channel coverage		
B/G	VHF: E2 to E12 / UHF: E21 to E69 / CATV: S01 to S03, S1 to S41	
Ī	UHF: B21 to B68 / CATV: S01 to S03, S1 to S41	
D/K	VHF: C1 to C12, R1 to R12 / UHF: C13 to C57, R21 to R60 CATV: S01 to S03, S1 to S41, Z1 to Z39	
М	VHF: A2 to A13 / UHF: A14 to A79 / CATV: A-8 to A-2, A to W+4, W+6 to W+84	
□ (Antenna)	75-ohm external terminal	
Audio output (Speaker)	6W + 6W	
3D WOOFER	15W	
Number of terminal		
	Input: 4 Output: 1	Phono jacks; 1 V _{P-P} , 75 ohms
∫ (Audio)	Input: 4 Output: 1	Phono jacks; 500 mVrms
⊕ (S Video)	Input: 2	Y: 1 Vp-p, 75 ohms, unbalanced, sync negative C: 0.286 Vp-p, 75 ohms
← (Component Video)	Input: 1	Phono jacks Y: 1 Vp-p, 75 ohms, sync negative CB: 0.7 Vp-p, 75 ohms CR: 0.7 Vp-p, 75 ohms Audio: 500 mVrms
⊖ (Headphones)	Output: 1	Stereo minijack
Picture tube	29 inch	
Tube size (cm)	72	Measured diagonally
Screen size (cm)	68	Measured diagonally
Dimension (w/h/d, mm)	722 x 603 x 516	
Mass (kg)	56	

Design and specifications are subject to change without notice.

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK \triangle ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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SELF DIAGNOSTIC FUNCTION

The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER lamp will automatically begin to flash.

The number of times the lamp flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER lamp flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the remote commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

1. DIAGNOSTIC TEST INDICATORS

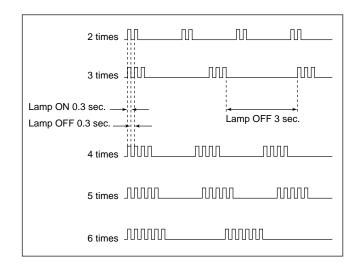
When an error occurs, the STANDBY/TIMER lamp will flash a number of times to indicate the possible cause of the problem. If there is more than one error, the lamp will identify the first of the problem areas.

Result for all of the following diagnostic items are displayed on screen. No error has occured if the screen displays a "0".

Diagnostic Item Description	No. of times STANDBY/TIMER lamp flashes	Self-diagnostic display/Diagnostic result	Probable Cause Location	Detected Symptoms
Power does not turn on	Does not light	_	 Power cord is not plugged in. Fuse is burned out F1601 (F1 Board) 	 Power does not come on. No power is supplied to the TV. AC power supply is faulty.
• +B overcurrent (OCP)	2 times	002:000 or 002:001~255	H.OUT Q6807 is shorted. H.IN Q6810 is shorted. (D board)	Power does not come on. Load on power line is shorted.
• +B overvoltage (OVP)	3 times	003:000 or 003:001~255	PH 6602 faulty. 10.5V is not supplied. (D board)	Power does not come on.
Vertical deflection failure	4 times	004:000 or 004:001~255	V.OUT IC6800 faulty D6816 faulty D6817 faulty D6824 faulty R6852 open R6851 open (D board)	 Vertical deflection pulse is stopped. Vertical size is too small. Vertical deflection stopped.
White balance failure (no PICTURE)	5 times	005:000 or 005:001~255	 G2 is improperly adjusted. (Note 2) CRT problem. Video OUT IC9001, 9002, 9003 are faulty. (C board) IC8306 (A board) and IC4301 (A board) are faulty. 	No raster is generated. CRT cathode current detection reference pulse output is small.
Horizontal deflection failure	6 times	006:000 or 006:001~225	C6831 is open circuit. (D board)	H pulse output is too high.
Micro reset	_	101:00 or 101:001~225	CRT Discharge (C Board) Static discharge External noise	Power is shut down shortly, after this return back to normal. Detect Micro latch up.

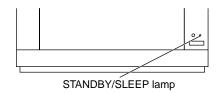
Note 1: Refer to screen (G2) Adjustment in section 6-5 of this manual.

2. DISPLAY OF STANDBY/TIMER LIGHT FLASH COUNT



<u>Diagnostic Item</u>	Flash Count*
+B overcurrent	2 times
+B overvoltage	3 times
V deflection stop	4 times
White balance failure	5 times
Horizontal Deflection Failure	6 times

* One flash count is not used for self-diagnostic.



3. STOPPING THE STANDBY/TIMER FLASH

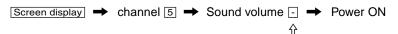
Turn off the power switch on the TV main unit or unplug the power cord from the outlet to stop the STANDBY/TIMER lamp from flashing.

4. SELF-DIAGNOSTIC SCREEN DISPLAY

For errors with symptoms such as "power sometimes shuts off" or "screen sometimes goes out" that cannot be confirmed, it is possible to bring up past occurances of failure for confirmation on the screen:

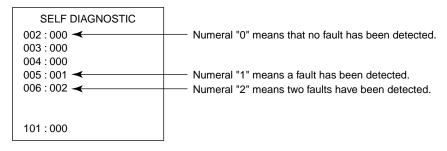
[To Bring Up Screen Test]

In standby mode, press buttons on the remote commander sequentially in rapid succession as shown below:



Note that this differs from entering the service mode (mode volume \pm).

Self-Diagnosis screen display



5. HANDLING OF SELF-DIAGNOSTIC SCREEN DISPLAY

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen during repairs. When you have completed the repairs, clear the result display to "0".

Unless the result display is cleared to "0", the self-diagnostic function will not be able to detect subsequent faults after completion of the repairs.

[Clearing the result display]

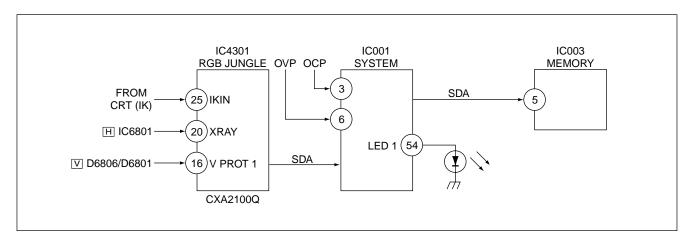
To clear the result display to "0", press buttons on the remote commander sequentially as shown below when the diagnostic screen is being displayed.

Channel 8 → 0

[Quitting Self-diagnostic screen]

To quit the entire self-diagnostic screen, turn off the power switch on the remote commander or the main unit.

6. SELF-DIAGNOSTIC CIRCUIT



+B overcurrent (OCP) Occurs when an overcurrent on the +B(135) line is detected by Q6610 and Q6609.

If Q6610 and Q6609 go to ON, the voltage to the pin3 of IC001 go to UP.

The unit will automatically turn off.

+B overvoltage (OVP) Occurs when an overvoltage on the +B(135) line is detected by D6635, Q6611 and Q6612. If Q6611 and Q6612 go to ON, the voltage to pin6 of

IC001 go to UP. The unit will automatically turn off.

Vertical deflection failure Occurs when an absence of the vertical deflection pulse is detected by Q6811, Q6819, Q6820, Q6821 and D6801. Shut down the power supply.

White balance failure If the RGB levels do not balance or become low level within 5 seconds.

This error will be detected by IC4301.

TV will stay on, but there will be no picture.

High voltage protector of Horizontal Deflection Occurs when an overvoltage of horizontal pulse is detected by D6809 and

If the voltage of 7 pin of IC6801 goes to High, the voltage to pin20 of

IC4301 go to UP. The unit will automatically turn off.

The operating instruction mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

SECTION 1 GENERAL

WARNING

- Dangerously high voltages are present inside the TV.
- TV operating voltage: 110 240 V AC. (For Hong Kong only: 220-240 V AC.)



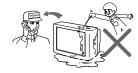
For your own safety, do not touch any part of the TV, the power cord and the antenna cable during lightning storms.



For children's safety, do not leave children alone with the TV. Do not allow children to climb onto it.



To prevent fire or shock hazard, do not expose the TV to rain or moisture.



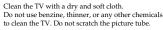
Do not operate the TV if any liquid or solid object falls into it. Have it checked immediately by qualified personnel only.



Do not block the ventilation openings of the TV. Do not install the TV in a confined space, such

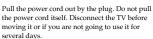


as a bookcase or built-in cabinet.







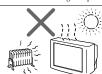




Do not plug in too many appliances to the same power socket. Do not damage the power cord.



Do not open the cabinet and the rear cover of the TV as high voltages and other hazards are present inside the TV. Refer servicing and disposal of the TV to qualified personnel.

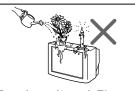


Your TV is recommended for home use only. Do not use the TV in any vehicle or where it may be subject to excessive dust, heat, moisture or vibrations.

WARNING (continued)



Do not install the TV in an unstable position. Use a proper TV stand.



Do not place any objects on the TV.

| 3

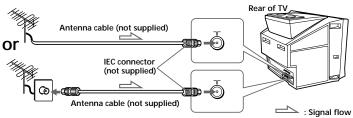
CAUTION

- Do not connect the power cord until you have completed making all other connections; otherwise a minimum leakage current might flow through the antenna and other terminals to ground.
- · To avoid battery leakage and damage to the remote, remove the batteries from the remote if you are not going to use it for several days. If any liquid that leaks from the batteries touches you, immediately wash it away with water.

Step 1

Connect the antenna

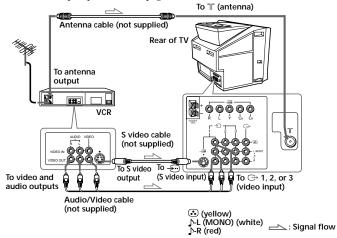
If you wish to connect a VCR, see the **Connecting a VCR** diagram below.



Connecting a VCR

 ∞

To watch the video input, press € (see page 12).



- If you connect a monaural VCR, connect the yellow plug to (3) (the yellow jack) and the black plug to 1-L (MONO) (the white jack).
- If you connect a VCR to the ¬¬¬ (antenna) terminal, preset the signal output from the VCR to the program number 0 on the TV.
- When both the 🖅 (S video input) and 🕣 1 (video input) are connected, the 🖅 (S video input) is automatically selected. To view the video input to 1 (video input), disconnect the S video cable.

Step 2

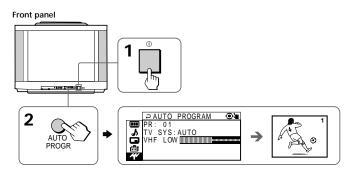
Insert the batteries into the remote



· Do not use old batteries or different types of batteries together.

Step 3

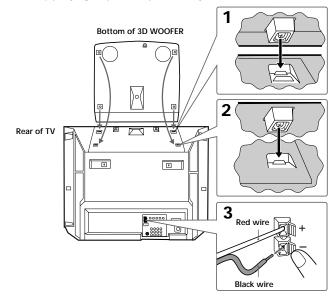
Preset the channels automatically



- To stop the automatic channel presetting, press MENU twice.
- If your TV has preset an unwanted channel or cannot preset a particular channel, then preset your TV manually (see page 38).

Connecting the 3D WOOFER

You can enjoy high quality sound by connecting the 3D WOOFER.



- Place the foot at the front of the 3D WOOFER into the footholds on the top of your TV.
- Place the foot at the rear of the 3D WOOFER into the footholds at the rear of your TV.
- Connect the wires to the 3D WOOFER (4 Ω) terminals at the rear of your TV. The red wire should be connected to the

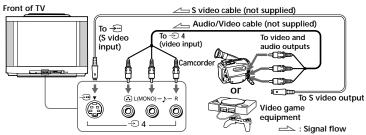
 red terminal and the black wire to the Θ black terminal

- Connect only the supplied 3D WOOFER; otherwise your TV may
- Unplug your TV from the wall outlet when connecting the 3D WOOFER.
- To prevent a malfunction caused by a short circuit of the terminals, make sure that none of the 3D WOOFER wire strands stick out, making contact with it's neighbouring 3D WOOFER terminal.

Connecting optional components

You can connect optional audio/video components, such as a VCR, multi disc player, camcorder, video game, or stereo system. To watch and operate the connected equipment, see pages 12 and 25.

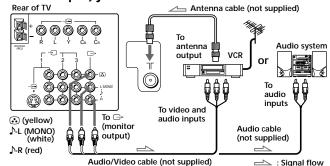
Connecting a camcorder/video game equipment using the \odot (video input) jacks



Notes

- When connecting video game equipment, display the "PICTURE" menu and select "ON" for "GAME MODE" to adjust the picture setting that is suitable for video games (see page 30).
- You can also connect video equipment to the € 1, 2, or 3 (video input) jacks at the rear of your TV.
- When both the ⊕ (S video input) and ⊕ 4 (video input) are connected, the 🖅 (S video input) is automatically selected. To view the video input to 1 4 (video input), disconnect the S video cable.

Connecting audio/video equipment using the -(monitor output) jacks



• If you select "DVD" on your TV screen, no signal will be output at the (monitor output) jacks (see page 12). continued

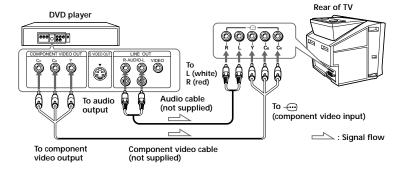
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Using Your New TV

Connecting optional components (continued)

Connecting a DVD player to ⊕ (component video input)

- 1 Using an audio cable, connect R and L under ⊕ (component video input) on your TV to the LINE OUT, AUDIO R and L output connectors on your DVD player.
- 2 Using a component video cable, connect Y, CB, and CR under ← (component video input) on your TV to the COMPONENT VIDEO OUT Y, CB, and CR output connectors on your DVD player.
- 3 Press extstyle extst



Notes

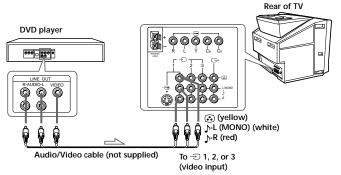
• Some DVD player terminals may be labeled differently:

Connect	To (on the DVD player)
Y (green)	Y
C _B (blue)	Cb, B-Y or PB
C _R (red)	Cr, R-Y or PR

• When connecting to € (component video input) on your TV, you must connect Y, CB, and CR to receive the video signals, and connect L and R to receive analog audio signals.

Connecting a DVD player to € (video input)

Connect = 1, 2, or 3 (video input) $\cancel{D}/\textcircled{\odot}$ (audio/video) connectors on your TV to LINE OUT on your DVD player.



: Signal flow

Notes

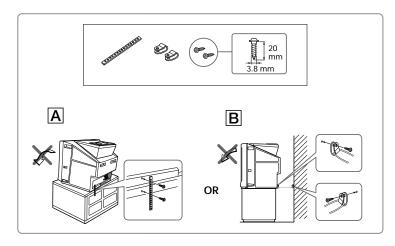
- Since the high quality pictures on a DVD disc contain a lot of information, picture noise may appear. In this case, adjust the sharpness ("SHARP") under "PERSONAL ADJUST" in the "PICTURE MODE" menu (see page 31).
- Connect your DVD player directly to your TV. Connecting the DVD player through other video equipment will cause unwanted picture noise.

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With the supplied screws, attach the stabilizer band to the TV stand and to the rear of the TV using the provided hole.

OR

Put the cord or chain through the clamps to secure the TV against a wall or pillar.

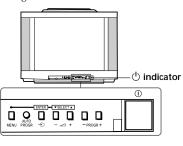


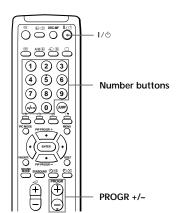
Note

• Use only the supplied screws. Use of other screws may damage the TV.

Watching the TV

This section explains various functions and operations available while watching the TV. Most operations can be done using the remote.





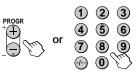
1 Press ① to turn on the TV.

When the TV is in standby mode (the \circlearrowleft indicator on the TV is lit red), press I/\circlearrowleft on the remote or PROGR +/- on the TV.



Press PROGR +/- or the number buttons to select the TV channel.

For double digit numbers, press -*I*--, then the number (e.g., for 25, press -*I*--, then 2 and 5).



Note

 When you turn on the TV, either the program number or video mode is displayed for approximately 40 seconds. The ECO MODE (\$\frac{1}{2}t0\) icon will also appear if "ECO MODE" in the "SETUP" menu is set "ON" (see page 35).

To select a TV program quickly

- (1) Press and hold PROGR +/-.
- (2) Release PROGR +/- when the desired program number appears.

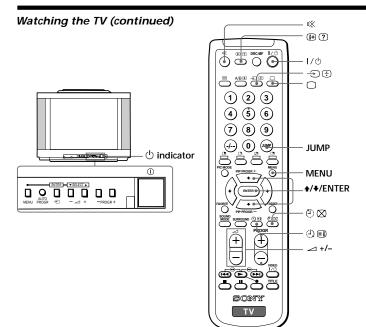
Note

• When you select a TV program quickly, the picture may be disrupted. This does not indicate a malfunction.

continued

Using Your New TV

Using Your New



Additional tasks

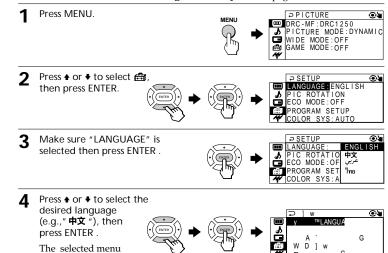
12

То	Press
Turn off temporarily	I/ひ. The ひ indicator on the TV lights up red.
Turn off completely	① on the TV.
Adjust the volume	△ +/−.
Mute the sound	σ ※ .
Watch the video input (VCR, camcorder, etc.)	-② (or -② on the TV) to select "VIDEO 1", "VIDEO 2", "VIDEO 3", "VIDEO 4" or "DVD". To return to the TV screen, press □ (or -③ on the TV).
Jump back to the previous channel	JUMP.
Display the on-screen information*	() .

^{*} Some picture/sound settings, and either the program number or video mode are displayed. The on-screen display for the picture/sound settings disappears after about 3 seconds.

Changing the menu language

You can change the menu language as well as the on-screen language. For details on how to use the menu, see **Introducing the menu system** on page 27.



To return to the normal screen

language appears.

Press MENU.

Setting the Wake Up timer

1 Press ① until the desired period of time appears.

The Wake Up timer starts immediately after you have set it.

Watching the TV (continued)



- **9** Select the TV channel or video mode you want to wake up to.
- **3** Press I/ \bigcirc , or set the Sleep timer if you want the TV to turn off automatically.

The ① indicator on the TV lights up orange.

To cancel the Wake Up timer

Press $\ensuremath{\textcircled{\oplus}}$ until "WAKE UP TIMER: OFF" appears, or turn off the TV's main power.

Note

If no buttons or controls are pressed for more than two hours after the TV
is turned on using the Wake Up timer, the TV automatically goes into
standby mode. To resume watching the TV, press any button or control on
the TV or the remote.

Setting the Sleep timer

Press ② until the desired period of time appears.

The Sleep timer starts immediately after you have set it.



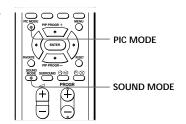
To cancel the Sleep timer

Press (4) until "SLEEP TIMER: OFF" appears, or turn the TV off.

Advanced Operations

Selecting the picture and sound modes

You can select picture and sound modes and adjust the setting to your preference in the "PERSONAL" option.



Selecting the picture mode

Press PIC MODE repeatedly until the desired picture mode is selected.



Select	То
"DYNAMIC"	receive high contrast pictures.
"STANDARD"	receive normal pictures.
"HI-FINE"	receive higher resolution pictures with mild contrast.
"PERSONAL"	receive the last adjusted picture setting from the "ADJUST" option in the "PICTURE" menu (see page 31).

Selecting the sound mode

Press SOUND MODE repeatedly until the desired sound mode is selected.



Select	То
"DYNAMIC"	listen to dynamic and clear sound that emphasizes both the low and high tones.
"DRAMA"	listen to sound that emphasizes voice and high tones.
"SOFT"	receive soft sound.
"PERSONAL"	receive the last adjusted sound setting from the "ADJUST" option in the "SOUND" menu (see page 33).

Tip

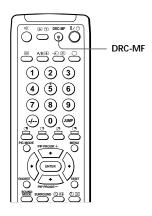
• You can also set the picture and sound modes using the menu (see **Changing the "PICTURE" setting** on page 30 and **Changing the "SOUND" setting** on page 32).

Advanced Operations

Viewing higher quality pictures

- "DRC-MF"

The Digital Reality Creation-Multi Function (DRC-MF) feature allows you to enjoy higher quality pictures on your TV. You can select "DRC1250" to watch super real (higher resolution) pictures, or "DRC PROGRESSIVE" to reduce any jittering on the screen if necessary.



Press DRC-MF repeatedly DRC-MF until you receive the desired picture quality.



Select	То
"DRC1250"	select higher resolution pictures.
"DRC PROGRESSIVE"	reduce jitter of any small areas or scanning lines (e.g., letters or the edge of objects) on the screen.

Tips

- You can also select the DRC-MF option using the menu (see **Changing the** "**PICTURE" setting** on page 30).
- When the broadcast signal is weak, you may see some dots or noise on the
 TV screen. To reduce this interference, display the "PICTURE" menu and
 select "ADJUST" in "PICTURE MODE", then adjust "SHARP" to reduce
 the sharpness (see page 31).

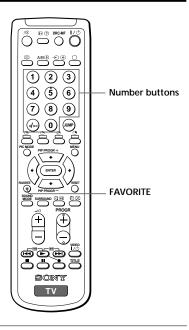
Note

• The DRC-MF mode is not selectable when the "GAME MODE" or Picture In-Picture ("PIP") mode is turned "ON".

The DRC-MF logo (are trademarks of Sony Corporation.

Viewing your favorite channels

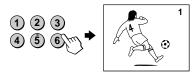
You can display and select six of your favorite channels directly from your TV



Press FAVORITE.



2 Press the number button from 1 to 6 to select the desired channel.



Advanced Operations

| 17

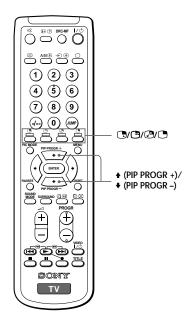
Tip

 To program your favorite channels, see Adjusting each channel settings (PROGRAM SETUP) on page 36.

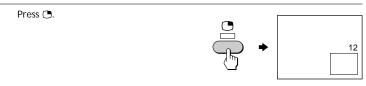
Watching two programs at the same time

— "PIP"

With the Picture-in-Picture (PIP) feature, you can display a sub screen within the main picture of different TV programs or video inputs.



Displaying a sub screen



To return to the normal screen

Press (when displaying the sub screen).

Additional PIP tasks

То	Press		
change a TV program in the sub screen	♠ (PIP PROGR +) or $♥$ (PIP PROGR –).		
select a video input in the sub screen	.		
swap pictures between the main and sub screens	Ø.		
freeze the sub screen	(a). To unfreeze the screen, press the button again.		

Tip

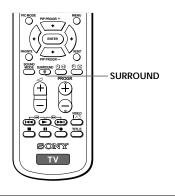
 You can also display the sub screen and exchange pictures between the main and sub screens using the menu (see Changing the "PIP" setting on page 34).

Notes

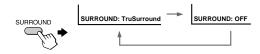
- When you display a video input on the sub screen at a faster/slower speed, the picture may be disrupted depending on the VCR type.
- If you display different color systems on the main screen and the sub screen, the size of the sub screen may be different and the sub screen picture may be disrupted. This does not indicate a malfunction of the TV.

Listening with surround sound

The surround feature enables you to enjoy the sound effects of a concert hall or movie theater.



Press SURROUND repeatedly until you receive the desired surround sound.



Select	То
"TruSurround"	listen to the surround sound that spreads out to the rear of a room.
"OFF"	turn off the surround sound.

Tip

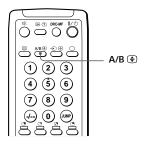
• You can also select the surround option using the menu (see **Changing the** "**SOUND**" setting on page 32).

The surround of your TV is categorized as TruSurround.

TruSurround is a trademark of SRS Labs, Inc. SRS and the SRS symbol are registered trademarks of SRS Labs, Inc. in the United States and selected foreign countries. SRS and TruSurround are incorporated under license from SRS Labs, Inc. and are protected under United States Patent Nos. 4,748,669 and 4,841,572 with numerous additional issued and pending foreign patents.

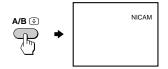
Enjoying stereo or bilingual programs

You can enjoy stereo sound or bilingual programs of NICAM and A2 stereo systems.

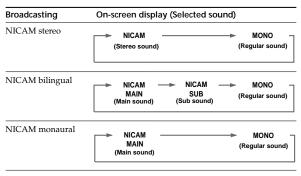


Press A/B repeatedly until you receive the sound you want.

The on-screen display changes to show the selected sound and the ♥ indicator on the TV lights up red.



When receiving a NICAM program



Enjoying stereo or bilingual programs (continued)

When receiving an A2 program

Broadcasting	On-screen display (Selected sound)	
A2 stereo	MONO (Regular sound)	STEREO – (Stereo sound)
A2 bilingual	MAIN (Main sound)	SUB – (Sub sound)

Receiving area for NICAM and A2 programs

System Receiving area	
NICAM	Hong Kong, Singapore, New Zealand, Malaysia, Thailand, etc.
A2	Australia, Malaysia, Thailand, etc.

Notes

- If the signal is very weak, the sound becomes monaural automatically.
- If the stereo sound is noisy when receiving a NICAM program, select "MONO". The sound becomes monaural, but the noise is reduced.
- Before receiving a NICAM stereo program in China, please check the NICAM broadcast condition in your area. When receiving a NICAM stereo program, the receiving conditions might vary depending on area. In addition, different strength of the NICAM broadcast signal might affect the receiving quality.

Press A/B repeatedly until "MONO" appears on the screen.

To cancel the monaural sound setting, press A/B again until "AUTO" appears on the screen.

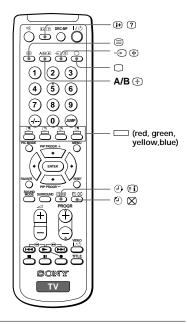


Notes

- The "MONO" or "AUTO" setting is memorized for each program position.
- You cannot receive a stereo broadcast signal when the TV is in the "MONO" setting. Normally, set the TV to "AUTO".

Viewing Teletext

Some TV stations broadcast an information service called Teletext which allows you to receive various information, such as stock market reports and news.



Displaying Teletext

- 1 Select a TV channel that carries the Teletext broadcast you want to watch.
- Press to display the text.

A Teletext page (normally the index page) is displayed. If there is no Teletext broadcast, "100" is displayed at the top left corner of the screen.



To turn off Teletext

Press \square .

Viewing teletext (continued)

Additional Teletext tasks

То	Do this
display a Teletext page on the TV picture	Press \equiv . Each time you press \equiv , the screen changes as follows: Teletext \rightarrow Teletext and TV \rightarrow TV.
check the contents of a Teletext service	Press ①. An overview of the Teletext contents, including page numbers, appears on the screen.
select a Teletext page	Press the number buttons to enter the three-digit page number of the desired Teletext page.* If you make a mistake, reenter the correct page number. To access the next or previous page, press PROGR +/
hold (pause) a Teletext display	Press ⊕ to display the symbol "⊕" at the top left corner of the screen. To resume normal Teletext viewing, press ⊕ or ⊜.
reveal concealed information (e.g., an answer to a quiz)	Press ②. To conceal the information, press the button again.
enlarge the Teletext display	Press ⊕. Each time you press ⊕, the Teletext display changes as follows: Enlarge upper half → Enlarge lower half → Normal size.
stand by for a Teletext page while watching a TV program	 Enter the Teletext page number that you want to refer to, then press ⋈. When the page number is displayed, press ⊜ to show the text.

^{*} You can also select a Teletext page that appears in the colored columns at the bottom of the screen using the corresponding color-coded buttons on the remote.

Using FASTEXT

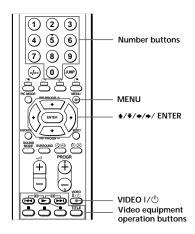
This feature allows you to quickly access a Teletext page that uses FASTEXT. When a FASTEXT program is broadcast, colored menus appear at the bottom of the screen. The color of each menu corresponds to the color-coded buttons on the remote (red green yellow and blue).

To access a FASTEXT menu

Press the color-coded button on the remote corresponding to the menu you want. The menu page appears on the screen after a few seconds.

Operating optional components

You can use the supplied remote to operate Sony video equipment such as Beta, 8 mm, VHS, MDP, CD or DVD.



Setting up the remote to work with other connected equipment

While holding down VIDEO I/Ů, press the following	For example, to operate a Sony 8 mm VCR:
number combinations to enter the equipment's code number (see the chart below.)	YDEO 1/O + • • • • • • • • • • • • • • • • • •

Code numbers for Sony video equipment

To control	Hold down VIDEO I/७ and press
DVD	00
VTR1 (Beta)	01
VTR2 (8 mm)	02
VTR3 (VHS)	03
MDP	04
CD	06
MD	07

Note

- If your video equipment is furnished with a COMMAND MODE selector, set this selector to the same position as the setting code.
- If the equipment does not have a certain function, the corresponding button on the remote will not operate.
- When you remove the batteries, the code number may revert to the factory setting.
 continued

s 1

25

Adiustina Your Setup (M

Adjusting Your Setup (MENU)

Operating optional components (continued)

Operating a VCR using the remote

То	Press
turn on/off	VIDEO I/Ů
record	➤ while pressing ●.
play	>
stop	•
fast forward (►►)	▶
rewind the tape (◀◀)	H44
pause	Press again to resume normal playback.
search the picture forward (►►) or backward (◄◄)	▶▶I or I◀◀ during playback. Release to resume normal playback.

Operating a DVD player using the remote

То	Press
turn on/off	VIDEO I/Ů
play	>
stop	
pause	II
	Press again to resume normal playback.
step through different tracks of a disc	▶▶ to step forward or ◄◄ to step backward.
display the title menu	TITLE
display the menu	MENU while holding down ●.
select the menu item	1 / 1 / 4 / 4 while holding down 0 .

Operating an MDP using the remote

То	Press
turn on/off	VIDEO I/Ů
play	>
stop	
pause	II
	Press again to resume normal playback.
step through different tracks of a disc	▶► to step forward or ► to step backward.

Operating a CD/MD using the remote

То	Press
turn on/off	VIDEO I/Ů
play	>
stop	
pause	II
	Press again to resume normal playback.
go to the next/previous tracks	▶►I or I≪
go forward (►►)/	▶► or ► while holding down ►.
backward (◄◄) quickly in a track	Ü

Introducing the menu system

The MENU button lets you open a menu and change the settings of your TV. The following is an overview of the menu system.



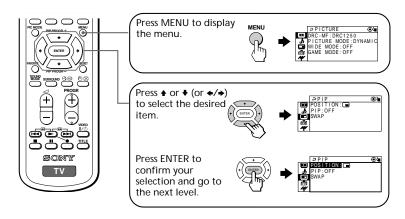
Level 1	Level 2	Level 3/Function
"PICTURE"	"DRC-MF"	Select the "DRC-MF" mode:
_		"DRC1250" → "PROGRESSIVE"
•	"PICTURE MODE"	Select the picture mode:
		"DYNAMIC" → "STANDARD" → "HI-FINE" →
		"PERSONAL" → "ADJUST"
	"ADJUST"	Adjust the "PERSONAL" option:
		"PICTURE" \rightarrow "COLOR" \rightarrow "BRIGHT" \rightarrow "HUE" \rightarrow
		"SHARP"
	"WIDE MODE"	Change the picture size.
	"GAME MODE"	Adjust the picture settings for video games.
"SOUND"	"SOUND MODE"	Select the sound mode:
		"DYNAMIC" → "DRAMA" → "SOFT" →
ð		"PERSONAL" → "ADJUST"
	"ADJUST"	Adjust the "PERSONAL" option:
		"BASS" \rightarrow "TREBLE" \rightarrow "BALANCE" \rightarrow "BBE"*
	"SURROUND"	Select the "SURROUND" mode:
		"TruSurround" → "OFF"
	"INTELLIGENT	Adjust volume automatically.
	VOL"	
"PIP"	"POSITION"	Change the position of the sub screen.
_	"PIP"	Display a sub screen within the main picture.
	"SWAP"	Exchange pictures between main screen and sub screen.

Introducing the menu system (continued)

Level 1	Level 2	Level 3/Function
"SETUP"	"LANGUAGE"	Change the menu language: "ENGLISH" → "中文"(Chinese) → " シュッシュ"(Arabic) → "ไทย" (Thai)
	"PIC ROTATION"	Adjust the picture position.
	"ECO MODE"	Reduce power consumption of your TV.
	"PROGRAM SETUP"	Adjust each channel settings.
	"COLOR SYS"	Select the color system: "AUTO" → "PAL" → "SECAM" → "NTSC3.58" → "NTSC4.43"
"CH PRESET"	"AUTO PROGRAM"	Preset channels automatically.
4	"MANUAL PROGRAM"	Preset channels manually.
	"TV SYS"	Select the TV system: "B/G" \rightarrow "I" \rightarrow "D/K" \rightarrow "M"

^{*} The BBE is manufactured by Sony Corporation under license from BBE Sound, Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866. The word "BBE" and the BBE symbol are the trademarks of BBE Sound, Inc.

How to use the menu



Other menu operations

То	Press
Adjust the setting value	1 , 1 , 4 or > .
Move to the next/previous menu level	♦ or > .
Cancel the menu	MENU.

- If you want to exit from Menu level 2 to Menu level 1, press ♠ or ♦ until the return icon (→) is highlighted, then press ENTER.
- Some of the menu items can be operated directly using the remote buttons.
- The MENU, ENTER, and SELECT ▼/▲ buttons on the TV can also be used for the operations above.

Front of TV



• If more than 60 seconds elapse between entries, the menu screen automatically disappears.

Changing the "PICTURE" setting

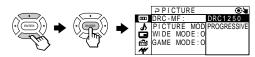
MENU

The "PICTURE" menu allows you to adjust the picture settings.

- Press MENU.
- Make sure the "PICTURE" icon (m) is selected, then press ENTER.



Press ♠ or ♥ to select the desired item (e.g., "DRC-MF"), then press ENTER.



Select	То
"DRC-MF"	choose either "DRC1250" or "PROGRESSIVE".
"PICTURE MODE"	choose either "DYNAMIC", "STANDARD", "HI-FINE", "PERSONAL"*, or "ADJUST".
"WIDE MODE"	change the picture size when receiving wide-mode (16:9) picture signal.
	Press \bullet or \bullet to select "ON", then press ENTER. To restore the normal picture size, select "OFF", then press ENTER.
"GAME MODE"	adjust the picture setting that is suitable to view video games.
	Press ♠ or ♦ to select "ON", then press ENTER. To cancel, select "OFF", then press ENTER.
	en the "PERSONAL" mode is selected, you can receive the last usted picture settings from the "ADJUST" option. (see page 31).

Notes

- For details on the options under "DRC-MF" and "PICTURE MODE", see pages 16 and 15 respectively.
- "GAME MODE" is available only when receiving signals through the € (video input), → (S video input), or → (component video input) jacks at the front and rear of your TV.

To return to the normal screen

Press MENU.

Adjusting the "ADJUST" items under "PICTURE MODE"

Press ♠ or ♥ to select the desired item (e.g., "COLOR"), then press ENTER.



COLOR ||||||||||||||||| 80

Adjust the value according to the following table, then press ENTER.

For	Press ♥ or ◆ to	Press ★ or → to
"PICTURE"	decrease picture contrast	increase picture contrast
"COLOR"	decrease color intensity	increase color intensity
"BRIGHT"	darken the picture	brighten the picture
"HUE"*	increase red picture tones	increase green picture tones
"SHARP"	soften the picture	sharpen the picture

- * You can adjust "HUE" for the NTSC color system only.
- Repeat the above steps to adjust other items. The adjusted settings will be received when you select "PERSONAL".

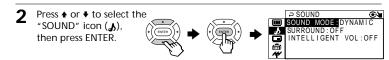
· For details on the menu system and how to use the menu, refer to Introducing the menu system on page 27.

Changing the "SOUND" setting

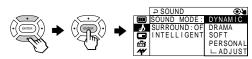
MENU **≜/ ₹/ ♦/ ♦/ ENTER**

The "SOUND" menu allows you to adjust the sound settings.

Press MENU.



Press ♠ or ♥ to select the desired item (e.g., "SOUND MODE"), then press ENTER.



Select	То
"SOUND MODE"	choose either "DYNAMIC", "DRAMA", "SOFT", "PERSONAL"*, or "ADJUST".
"SURROUND"	choose either "TruSurround" or "OFF".
"INTELLIGENT VOL"	adjust the volume of all TV programs and video inputs automatically.
	Press ♠ or ♠ to select "ON", then press ENTER. To cancel, select "OFF", then press ENTER.
	en the "PERSONAL" mode is selected, you can receive the last usted sound settings from the "ADJUST" option. (see page 33).

• For details on the options under "SOUND MODE" and "SURROUND", see pages 15 and 20 respectively.

To return to the normal screen

Press MENU.

Adjusting the "ADJUST" items under "SOUND MODE"

Press ♠ or ♥ to select the desired item (e.g., "BALANCE"), then press ENTER.



Adjust the value according to the following table, then press ENTER.

For	Press ♥ or ◆ to	Press ★ or → to	
"BASS"	decrease the bass	increase the bass.	
"TREBLE"	decrease the treble	increase the treble.	
"BALANCE"	increase the left speaker's volume	increase the right speaker's volume.	
"BBE"	select "HIGH" for higher enhancement of sound clarity; select "LOW" for lower enhancement of sound clarity; select "OFF" to turn off the BBE sound.		

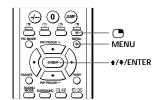
Repeat the above steps to adjust other items. The adjusted settings will be received when you select "PERSONAL".

Tip

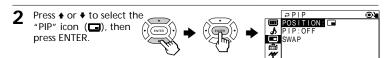
• For details on the menu system and how to use the menu, refer to Introducing the menu system on page 27.

Changing the "PIP" setting

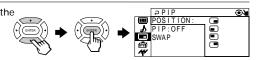
The "PIP" menu allows you to display a sub screen, change the sub screen position and exchange pictures between the main and sub screens.



Press MENU.



Press ♠ or ♥ to select the desired item (e.g., "POSITION"), then press ENTER.



Select	То
"POSITION"	change the position of the sub screen. Press ◆ or ◆ to select the desired position, then press ENTER .
"PIP"	display a sub screen within the main picture. Press ♠ or ♦ to select "ON", then press ENTER . To cancel, press ♠ or select "OFF", then press ENTER .
"SWAP"	exchange pictures between the main screen and sub screen.

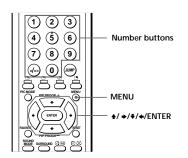
To return to the normal screen

Press MENU.

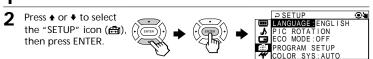
• For details on the menu system and how to use the menu, see Introducing the menu system on page 27.

Changing the "SETUP" setting

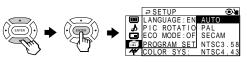
The "SETUP" menu allows you to change the menu language, adjust the picture position, reduce your TV power consumption, setup your programs and select the color system.



Press MENU.



Press ♠ or ♥ to select the desired item (e.g., "COLOR SYS"), then press ENTER.



Select	То		
"LANGUAGE"	change the menu language (see Changing the menu language on page 13).		
"PIC ROTATION"	adjust the picture position when it is not aligned with the TV screen. Press $\spadesuit, \bullet, , \blacklozenge$ or \spadesuit to adjust the picture position, then press ENTER.		
	PIC ROTATION BITTHE		

"ECO MODE"	reduce power consumption of your TV to save energy. Press ♠ or ♠ to select "ON", then press ENTER. To cancel, select "OFF", then press ENTER.
"PROGRAM SETUP"	adjust each channel settings (see Adjusting each channel settings (PROGRAM SETUP) on page 36).
"COLOR SYS"	Select the color system. Normally, set this to "AUTO".

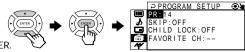
To return to the normal screen

Press MENU.

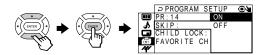
Changing the "SETUP" setting (continued)

Adjusting each channel settings (PROGRAM SETUP)

- Select "PROGRAM SETUP" from the "SETUP" menu.
- Select "PR" and press ENTER. Press ♠ or ♥ to select the desired channel you want to adjust, then press ENTER.



Press ♠ or ♥ to select the desired item (e.g., "SKIP"), then press ENTER.



Select	То
"PR" select the desired channel.	
"SKIP"	skip unwanted or unused program number. Press ♦ or ♦ to select "ON", then press ENTER. To cancel, select "OFF", then press ENTER.
"CHILD LOCK"	prevent children from watching this selected channel. Press ◆ or ◆ to select "ON", then press ENTER. The lock symbol () appears on the screen. To cancel, select "OFF", then press ENTER. If you preset a locked channel, that channel will be unlocked automatically.
"FAVORITE CH"	program six channels for direct selection. Press ♠ or ♠ to select one of the six favorite channel numbers (if you decide not to make any changes, select " ⊃ "), then press ENTER. To view the selected favorite channel, refer page 17.

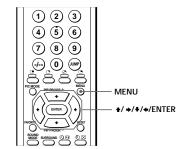
To continue adjusting other channels, press ♠ or ♥ to select "PR", then repeat step 2 and 3.

To return to the normal screen

Press MENU.

Changing the **Channel Preset** ("CH PRESET") setting

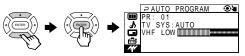
The "CH PRESET" menu allows you to adjust the setup of your TV. For example, you can manually tune in a channel with a weak signal that fails to be tuned in by automatic presetting.



Press MENU.

Press ♠ or ♥ to select the ⊃CH PRESE AUTO PROGRAM MANUAL PROGRA TV SYS:B/G "CH PRESET" icon (44) MANUAL PROGRAM then press ENTER.

Press ♠ or ♥ to select the desired item (e.g., "AUTO PROGRAM"), then press ENTER.



Select	То
"AUTO PROGRAM"	preset channels automatically.
"MANUAL PROGRAM"	preset channels manually. See Presetting channels manually on page 38.
"TV SYS"	select the TV system. Press ♠ or ♦ to select either "B/G", "I", "D/K" or "M", then press ENTER.

To return to the normal screen

Press MENU.

Tip

· For details on the menu system and how to use the menu, refer to Introducing the menu system on page 27.

Changing the "CH PRESET" setting (continued)

Presetting channels manually

- After selecting "MANUAL PROGRAM", select the program number to which you want to preset a channel.
 - (1) Make sure "PR" is selected, then press ENTER.
 - (2) Press ★ or ♥ until the program number you want to preset (e.g., program number "10") appears on the menu, then press ENTER.



⊃ MANUAL PROGRAM 🗨

⊃MANUAL PROGRAM 🍽

TV SYS:B/G

₩ SENS:HIGH

WHF LOW

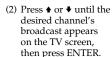
FINE:AUTO MY SENS : HIGH

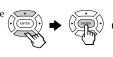
TV SYS:B/G

MY SENS: HIGH VHF LOW

Tip

- · You can also select the program number with the PROGR +/- or number buttons.
- Select the desired channel.
 - (1) Press ♠ or ♥ to select either "VHF LOW", "VHF HIGH", or "UHF", then press ENTER.



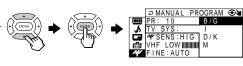






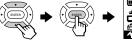
If the sound of the desired channel is abnormal, select the appropriate TV system.

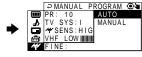
- (1) Press **♦** or **♦** to select "TV SYS", then press ENTER.
- (2) Press ★ or ♥ until the sound becomes normal, then press ENTER.



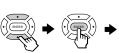


- If you are not satisfied with the picture and sound quality, you may be able to improve them by using the "FINE" tuning feature.
 - (1) Press **♦** or **♦** to select "FINE", then press ENTER.





(2) Press ♠ or ♥ to select "MANUAL", then press ENTER.



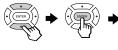


(3) Press **↑**, **♦**, **♦** or **→** until the picture and sound quality are optimal, then press ENTER. The + or - icon on the menu flashes while tuning.



- If the TV signal is too strong and the picture is distorted, you can adjust the TV reception sensitivity.
 - (1) Press **♦** or **♦** to select "YSENS" then press ENTER







FINE: MANUAL

(2) Press **♦** or **♦** to select "LOW". then press ENTER.

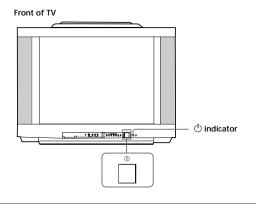
To return to the normal screen

Press MENU.

- The TV system ("TV SYS"), TV reception sensitivity ("#SENS") and fine tuning ("FINE") settings are memorized for each program number.
- If you preset a locked channel ("CHILD LOCK"), that channel will be unlocked automatically (see page 36).

Self-diagnosis function

Your TV is equipped with a self-diagnosis function. If there is a problem with your TV, the () (standby) indicator flashes red. The number of times the \bigcirc indicator flashes indicates the possible causes.



- Check that the \circlearrowleft indicator flashes red a number of times between 3-second intervals.
- Count the number of times the \bigcirc indicator flashes.
- Press ① (main power) to turn off your TV.
- Inform your nearest Sony service center about the number of times the (b) indicator flashed.

Be sure to note the model name and serial number located on the rear of your TV.

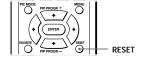
Troubleshooting

If you have any problem while viewing your TV, you can either use the Reset function or check the Troubleshooting guide below. If the problem persists, contact your Sony dealer.

Reset function

Press the RESET button on your remote control. Your TV will go blank for about half a second then the picture will reappear with "RESET" displayed on your TV screen for about 10 seconds.

Pressing RESET will set your TV to the factory setting, but certain problems may be solved.



Troubleshooting guide

Symptom	Possible cause	Solutions	Page
Snowy picture	The connection is loose or the cable is damaged.	Check the antenna cable and connection on the TV, VCR and at the wall.	4
3 b	Channel presetting is inappropriate or incomplete.	Display the "CH PRESET" menu and select "MANUAL PROGRAM" to preset the channel again.	38
sy sound	The antenna type is inappropriate.	Check the antenna type (VHF/UHF). Contact a Sony dealer for advice.	-
1	The antenna direction needs adjustment.	Adjust the antenna direction. Contact a Sony dealer for advice.	-
	Signal transmission is low.	Try using a booster.	-
Distorted picture	Broadcast signals are too strong.	Display the "CH PRESET" menu and select "MANUAL PROGRAM". Then, select "# SENS: LOW".	39
y sound		Turn off or disconnect the booster if it is in use.	_
picture	The TV system setting or channel	If the sound of all the channels are noisy, display the "CH PRESET" menu and	37
Noisy sound	presetting is inappropriate or	select "AUTO PROGRAM" to preset the channels again.	
	incomplete.	If the sound of some channels is noisy, select the channel, then display the "CH PRESET" menu and select the appropriate TV system ("TV SYS").	38

Troubleshooting (continued)

Symptom	Possible cause	Solutions	Page
No picture	The power cord, antenna or VCR is not connected.	Check the power cord, antenna and the VCR connections.	4
	The TV is not turned	• Press I/() (power).	11
No sound	on.	Press ① (main power) on the TV to turn off the TV for about five seconds, then turn it on again.	12
Good picture	The volume level is too low.	Press + to increase the volume level.	12
	The sound is muted.	Press of to cancel the muting.	12
No sound	The broadcast signal has a transmission problem.	Press A/B until a better sound is heard.	21
Dotted lines or stripes	There is local interference from	Do not use a hair dryer or other equipment near the TV.	-
	cars, neon signs, hair dryers, power generators, etc.	Adjust the antenna direction for minimum interference. Contact a Sony dealer for advice.	-
Double images or	Broadcast signals are	Use a highly directional antenna.	-
"ghosts"	reflected by nearby mountains or buildings.	Use the fine tuning ("FINE") function.	39
6	The antenna direction needs adjustment.	Adjust the antenna direction. Contact a Sony dealer for advice.	-
	Use of a booster is inappropriate.	Turn off or disconnect the booster if it is in use.	-
No color	The color level setting is too low.	Display the "PICTURE" menu and select "ADJUST" of "PICTURE MODE", then adjust the "COLOR" level.	31
	The color system setting is inappropriate.	Display the "SETUP" menu and check the color system ("COLOR SYS") setting (usually set this to "AUTO").	35
	The antenna direction needs adjustment.	Adjust the antenna direction. Contact a Sony dealer for advice.	_

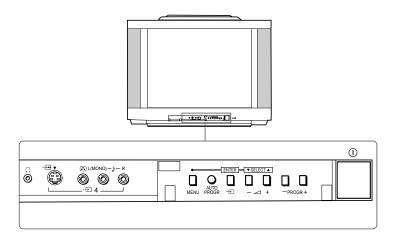
Symptom	Possible cause	Solutions	Page
Abnormal color patches	The magnetic disturbance from external speakers or other equipment, or the direction of the earth's magnetic field may affect the TV.	Keep external speakers or other equipment away from the TV. Do not move the TV while the TV is turned on. Press ① (main power) on the TV to turn off the TV for about five minutes, then turn it on again.	-
TV cannot receive stereo broadcast signal.	• The stereo reception setting is inappropriate.	Press A/B until "AUTO" appears on the screen.	21
Stereo broadcast sound switches on and off or	The connection is loose or the cable is damaged.	Check the antenna cable and connection on the TV, VCR and on the wall.	4
is distorted.	The antenna direction needs adjustment.	Adjust the antenna direction. Contact a Sony dealer for advice.	-
The sound switches between stereo and monaural frequently.	• The broadcast signal has a transmission problem.	Press A/B until a better sound is heard.	21
"100" appears at the top of the screen and there is no Teletext display. (KV-EX29M69 only)	• The channel carries no Teletext broadcast.	_	23
Teletext display is incomplete	Connection is loose or the cable is damaged.	Check the antenna cable and connection on the TV, VCR, and at the wall.	4
(snowy picture or double images). (KV-EX29M69 only)	The antenna direction is inappropriate.	Adjust the antenna direction. Contact a Sony dealer for advice.	-
	Signal transmission is too low.	Try using a booster.Use the fine tuning ("FINE") function.	39
Picture slant	The magnetic disturbance from external speakers or other equipment, or the direction of the earth's magnetic field may effect the TV.	Keep external speakers or other electrical equipment away from the TV. Display the "SETUP" menu and adjust "PIC ROTATION" so that the picture is aligned to the TV screen.	35
Lines moving across the TV screen.	There is interference from external sources, e.g., heavy machineries, nearby broadcast station.	Use the fine tuning ("FINE") function.	39
The indicator on your TV flashes red a number of times between 3-second intervals.	Your TV may need servicing.	Contact your nearest Sony service center.	40

Troubleshooting (continued)

Symptom	Possible cause	Solutions	Page
Cannot play shooting games.	Some shooting games which involve pointing a light beam at the TV screen with an electronic gun or rifle cannot be used with your TV. For detail, see the instruction manual supplied with the video game software.	_	-
TV cabinet creaks.	Changes in room temperature sometimes make the TV cabinet expand or contract, causing a noise. This does not indicate a malfunction.	_	-
A small "boom" sound is heard when the TV is turned on.	• The TV's demagnetizing function is working. This does not indicate a malfunction.	_	-

Overview of controls

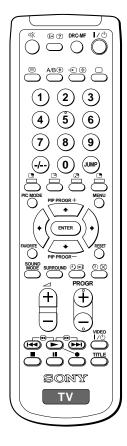
TV front panel



Button	Function	Page
AUTO PROGR	Preset channels automatically.	5
①	Turn off completely or turn on the TV.	11
PROGR +/-	Select program number.	11
∠ +/-	Adjust volume.	12
€	Select TV or video input.	12
MENU	Display the menu.	29
Ω	Headphone jack.	-

Overview of controls (continued)

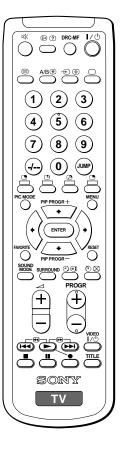
Remote control



The names/symbols of buttons on the remote are
indicated in different colors to represent the available
functions.

Label color Button function	
White	For general TV operations
Green	For Teletext operations
Yellow	For PIP operations

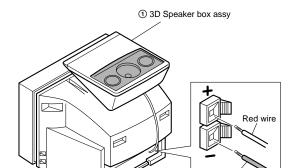
Button	Function	Page	
1/Ů	Turn off temporarily or turn on the TV.		
PROGR +/-	-/- Select program number.		
0 – 9, -/	Input numbers.	11	
i +	Display on-screen information.	12	
σ <u>*</u>	Mute the sound.	12	
0	Display the TV program.	12	
Ð	Select TV or video input.	12	
⊿ +/-	Adjust volume.	12	
JUMP	Jump to previous channel.	12	
Timer operation			
a	Set TV to turn on automatically.	14	
©	Set TV to turn off automatically.	14	
SOUND MODE	Select sound mode.	15	
PIC MODE	Select picture mode.	15	
DRC-MF	Select DRC-MF mode.	16	
Favorite Channel operations			
FAVORITE	Display favorite channels.	17	
1 – 6	Select desired channel.	17	
PIP operations			
	Display a sub screen.	18	
◆ (PIP PROGR +) /	Change programs in the sub	19	
◆ (PIP PROGR –)	screen.		
	Select video input for the sub screen.	19	
2	Swap main and sub screens.	19	
<u> </u>	Freeze the sub screen.	19	



Button	Button Function			
SURROUND Select surround mode.		20		
Stereo/bilingual operations				
A/B Select stereo/bilingual mode.		21		
Teletext operations				
(i)	Display Teletext service contents.	24		
•	Stop Teletext display from scrolling.	24		
?	Reveal concealed information.	24		
•	Enlarge the Teletext display.	24		
\boxtimes	Show TV screen while waiting for Teletext page.	24		
0 - 9	Input Teletext page number.	24		
PROGR +/-	Display the next or previous page.	24		
(red, green, yellow, blue)	Access a FASTEXT menu.	24		
Optional compone	ents operations			
VIDEO I/ 🖰	Power.	26		
TITLE	Display the title menu.	26		
	Play.	26		
▶ ▶I	Fast forward/Search forward.	26		
I44	Rewind/Search backward.	26		
•	Record.	26		
•	Stop.	26		
II	Pause.	26		
Menu operations				
MENU	MENU Display the menu.			
★ , ▼ , ← , →				
ENTER	Confirm selected items.	29		
RESET Set TV to factory setting.		41		

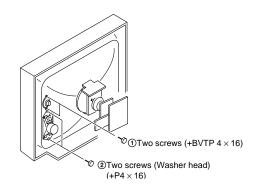
SECTION 2 DISASSEMBLY

2-1. SPEAKER BOX REMOVAL

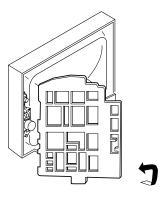


Black wire

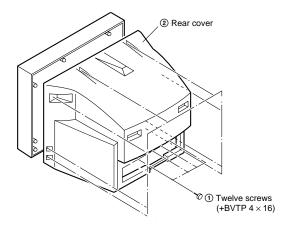
2-3. SPEAKER REMOVAL



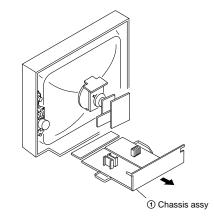
2-5. SERVICE POSITION



2-2. REAR COVER REMOVAL



2-4. CHASSIS ASSY REMOVAL



Note:

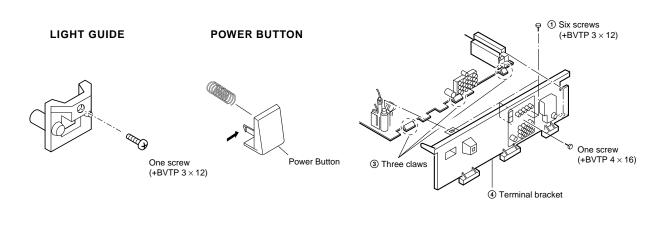
- 1. Disconnect the DGC connector from CN6603 (D board)
- 2. Disconnect Lead Assy Speaker (R) from Relay.
- 3. Undress necessary wires that creates tension while placing the chassis into Service Position.

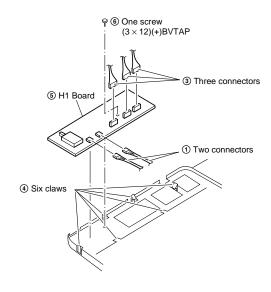
2-6. REPLACEMENT OF PARTS

2-8. TERMINAL BRACKET REMOVAL

2-10. H1 BOARD REMOVAL

For Power Button removal, push the claw in the direction of the arrow and remove.

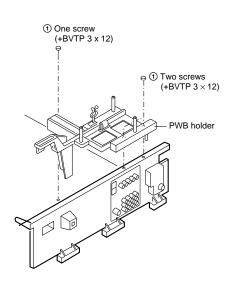


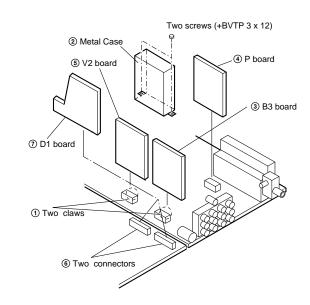


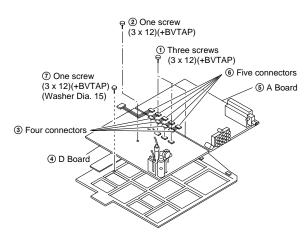
2-7. PWB BOARD REMOVAL

2-9. B3, P, V2 AND D1 BOARDS REMOVAL

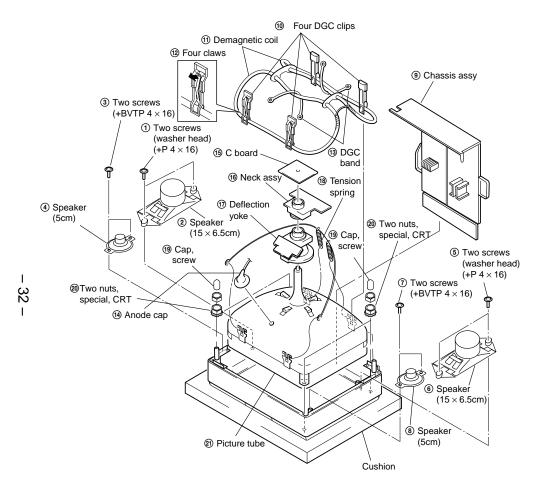
2-11. A AND D BOARDS REMOVAL







2-12. PICTURE TUBE REMOVAL



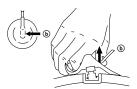
• REMOVAL OF ANODE-CAP

NOTE: After removing the anode, short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT.

REMOVING PROCEDURES



1 Turn up one side of the rubber cap in the direction indicated by the arrow a.



② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow **b**.



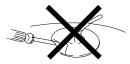
Anode button

③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ⑥.

HOW TO HANDLE AN ANODE-CAP

- ① Do not damage the surface of anode-caps with sharp shaped objects.
- ② Do not press the rubber too hard so as not to damage the inside of anode-cap. A metal fitting called the shatter-hook terminal is built into the rubber.
- ③ Do not turn the foot of rubber over too hard.
 The shatter-hook terminal will stick out or damage the rubber.

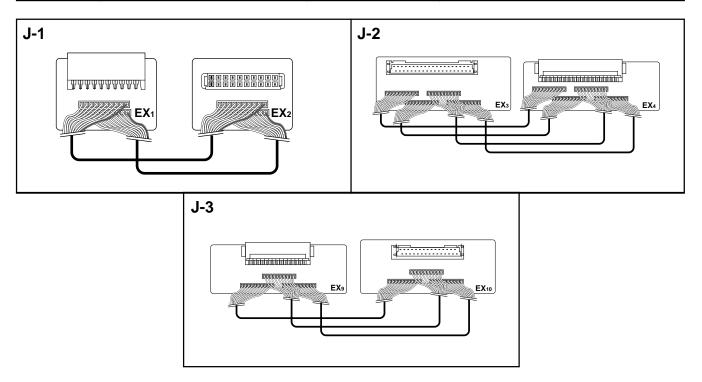




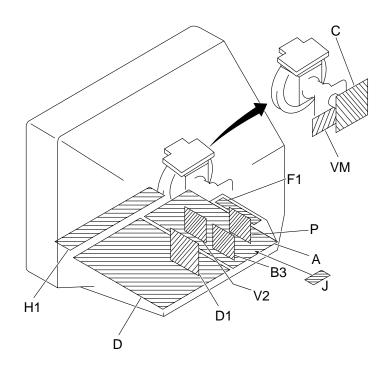
SECTION 3 SERVICE JIG

3-1. JIGS REQUIRED FOR SERVICING

REF NO.	DESCRIPTION	PART NO.	REMARK
J-1	TOOL (20P), SERVICE	3-702-763-01	For A to V2 board extension For A to P board extension
J-2	TOOL (40P), SERVICE	3-702-764-01	For B3 to A board extension
J-3	TOOL (30P), SERVICE	3-702-773-01	For D to D1 board extension



SECTION 4
CIRCUIT BOARDS LOCATION



SECTION 5 ADVANCE OPERATION

5-1. "RESET" FUNCTION

1. Purpose

If a customer faces some setting problem that cannot be solved, using the "RESET" function some items will be reset to its original setting (shipping condition)

2. How to Operate

There are 2 ways to access to the "RESET" Function:-

- a) By pressing "RESET" button on the Remote Commander.
- b) By pressing "MENU" button or "SELECT" button (for non-menu models) on the Front Key Input and hold it down for 5 seconds.

3. Subsequent of Operation

Sequential to the resetting operation (either methods being used in No. 2), TV set would shut down once and automatically turn on again. The power-off duration is expected to be about 500msec. An OSD message, "RESET" tentatively will be displayed for 10 sec after IK status gets stable.

As a result, some items will be reset to an initial condition (shipment condition) wheareas some other remains at the last selection by user.

Items that remains at the last selection by user

Program No., Favourite CH Setup, PIC rotation, OSD Language, Fine tuning, TV System, Skip

Reset Items

Video input	RF	Color system(RF)	AUTO*
Volume	30	Antenna sensitivity	HIGH*
DRC-MF	DRC1250	Stereo mode	STEREO/NICAM*
Picture mode	DYNAMIC	Bilingual mode	MAIN*
Sound mode	DYNAMIC	High-deviation mode	AUTO*
Surround mode	OF	Child lock	OFF*
Color system(video)	AUTO	Wide mode	OFF
Multi picture(PIP)	OFF	Game mode	OFF
PIP position	Bottom-right	Teletext mode	OFF
Favourite CH mode	AUTO	Sleep timer	OFF
OSD recall	OFF	Wake-up timer	OFF
Intelligent volume	OFF	Sound muting	OFF
ECO mode	OFF		

^{*=} only when in RF mode

SECTION 6 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switches should be set as follows unless otherwise noted:

PICTURE control	normal
BRIGHTNESS control	normal

Perform the adjustments in the following order:

- 1. Beam Landing
- 2. Convergence
- 3. Focus
- 4. White Balance

Note: Test Equipment Required.

- 1. Color-bar/Pattern Generator
- 2. Degausser
- 3. Oscilloscope

Preparation:

- In order to reduce the influence of geomagnetism on the set's picture tube, face it east or west.
- Switch on the set's power and degauss with the degausser.

6-1. BEAM LANDING

- Input a white signal with the pattern generator.
 Contrast \(\) normal
- Brightness J norman
- 2. Position neck assy as shown in Fig6-1.
- 3. Set the pattern generator raster signal to a green raster.
- 4. Move the deflection yoke to the rear and adjust with the purity control so that the green is at the center and the blue and the red take up equally sized areas on each side. (See Figures 6-1 through 6-3.)
- 5. Move the deflection yoke forward and adjust so that the entire screen is green. (See Figure 6-2.)
- 6. Switch the raster signal to blue, then to red and verify the condition.
- 7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws and DY spacers.
- 8. If the beam does not land correctly in all the corners, use a magnet to adjust it.

 (See Figure 6-4.)

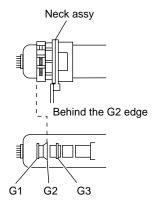


Fig. 6-1

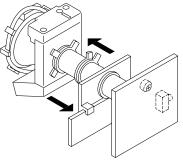


Fig. 6-2

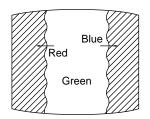


Fig. 6-3

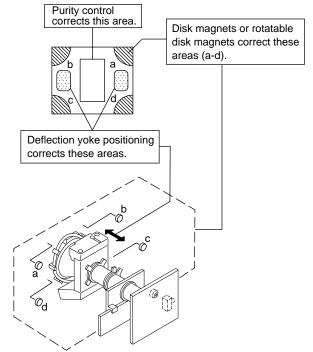


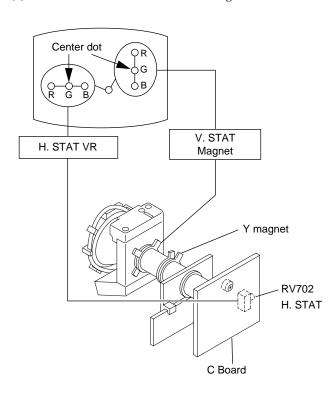
Fig. 6-4

6-2. CONVERGENCE ADJUSTMENT

Preparation:

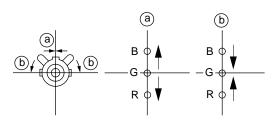
- Before starting this adjustment, adjust the focus, horizontal size and vertical size.
- Set the PICTURE 70% and BRIGHTNESS 0%.
- Cross hatch / Dot pattern.

(1) Horizontal and Vertical Static Convergence

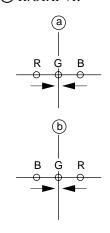


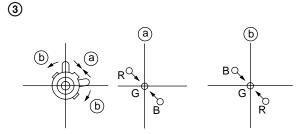
- 1. (Moving horizontally), adjust the H.STAT control so that the red, green and blue dots are on top of each other at the center of the screen.
- 2. (Moving vertically), adjust the V.STAT magnet so that the red, green and blue dots are on top of each other at the center of the screen.
- 3. Adjust Horizontal Trapezoid with "DAC 04 HTR" in Service Mode to make H-Trapezoid distortion best.
- 4. If the H.STAT variable resistor cannot bring the red, green and blue dots together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V.STAT magnet in the manner given below. (In this case, the H.STAT variable resistor and the V.STAT magnet influence each other, so be sure to perform adjustments while tracking.)

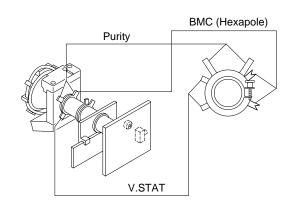
① V. STAT



② H. STAT VR

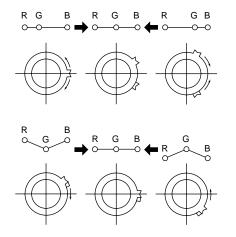




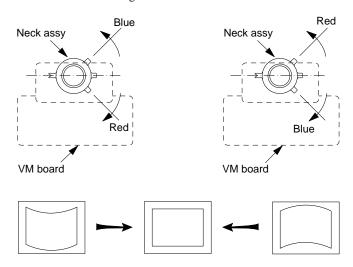


4 BMC (Hexapole) Magnet.

If the red, green and blue dots are not balanced or aligned, then use the BMC magnet to adjust in the manner described below.



- (5) Y separation axis correction magnet adjustment.
- 1. Receive the cross-hatch signal and adjust [PICTURE] to [MIN] and [BRIGHTNESS] to [STANDARD] .
- Adjust the Y separation axis correction magnet on the neck assembly so that the horizontal lines at the top and bottom of the screen are straight.



Note

- 1. The Red and Blue magnets should be equally far from the horizontal center line.
- 2. Do not separate the Red and Blue magnets too far. (Less than 8 mm)

(2) Dynamic Convergence Adjustment

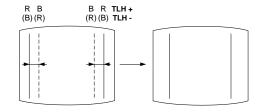
Preparation:

- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence
- Set the PICTURE and BRIGHTNESS to normal.

1. Adjust TLH. (TLH convergence piece)

- ① Receive the dot/hatch pattern signal and adjust picture quality by the menu.
- ② Correct horizontal mis-convergence of red and blue of both sides on the X axis.

When red is outside insert TLH convergence piece to right side (TLH +) views from DY neck. And when blue is outside, insert it to left side (TLH -) and take both sides.



2. Adjust XCV core.

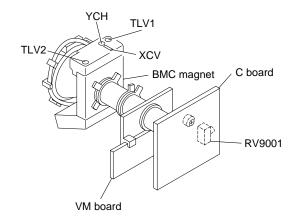
To able to become balance of XCV on the X axis well.

3. Adjust V-TILT.

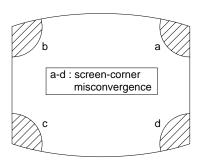
Correct the vertical mis-convergence of red and blue of vertically sides on the Y axis.

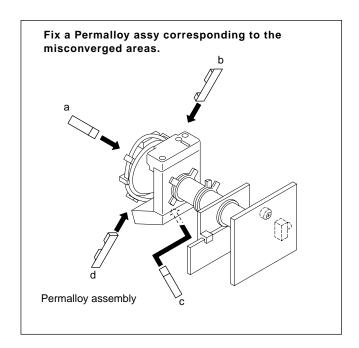
4. Adjust YCH.

Adjust horizontal mis-convergence of red and blue of vertically sides on the Y axis. Mentioned above steps 2 to 4 are adjusting respectively perform minuteness tracking.



(3) Screen-corner Convergence



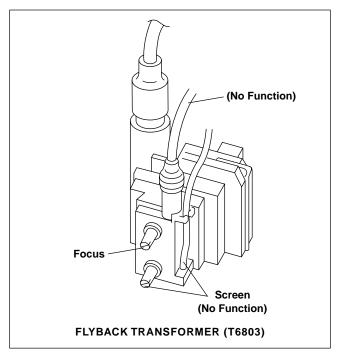


6-3. FOCUS ADJUSTMENT

Note

Focus adjustment should be completed before W/B adjustment.

- (1) Receive digital monoscope pattern.
- (2) Set "A/V CONTROL" to "STANDARD".
- (3) Adjust FOCUS VR so that the center of the screen becomes just focus.
- (4) Change the receiving signal to white pattern and blue back.
- (5) Confirm MAGENTA RING is not noticeable. In case MAGENTA RING is obvious, adjust FOCUS VR to balance between MAGENTA RING and FOCUS adjustment.



6-4. NECK ASSY TWIST ADJUSTMENT

- (1) Receive dot/hatch pattern DRC-MF, DRC1250, DYNAMIC.
- (2) Turn FOCUS VR fully counter-clockwise.
- (3) Confirm the dot shape at the screen center. (Fig. 6-4)
- (4) Resume FOCUS VR.

Note

In case of turning NECK ASSY, loosen the screw 3 turns. Do not move the position.

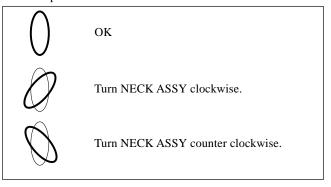
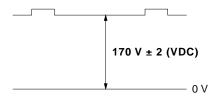


Fig. 6-4

6-5. G2 (SCREEN) AND WHITE BALANCE ADJUSTMENTS

1. G2 (SCREEN) ADJUSTMENT

- 1) Set the PICTURE and BRIGHTNESS to normal.
- 2) Put to VIDEO input mode without signals.
- 3) Connect R, G and B of the C board cathode to the oscilloscope.
- 4) Adjust BRIGHTNESS to obtain the cathode voltage to the value below.
- 5) Whilst watching the picture, adjust the screen VR [RV9002] located on the C board to the point just before the retrace lines disappear (to the point before cut-off)



2. WHITE BALANCE ADJUSTMENT

- 1) Set to Service Mode (Refer Section 7-1: ADJUSTMENTS WITH COMMANDER).
- 2) Input white raster signal.
- Set the following condition.
 PICTURE minimum, BRIGHTNESS 50%
- 4) Select GCT (WHB 7) and BCT (WHB 8) with 1 and 4, and adjust the level with 3 and 6 for the best white balance.
- 5) Set the PICTURE to maximum.
- 6) Select GDR (WHB 4) and BDR (WHB 5) with 1 and 4, and adjust the level with 3 and 6 for the best white balance
- 7) Write into the memory by pressing MUTING then 0.

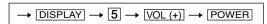
SECTION 7 CIRCUIT ADJUSTMENTS

7-1. ADJUSTMENTS WITH COMMANDER

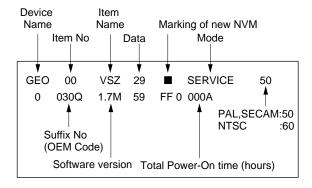
Service adjustments to this model can be performed using the supplied Remote Commander RM-963

a. ENTERING SERVICE MODE

With the unit on standby



The screen display is:



b. CANCELLATION OF SERVICE MODE

Set the standby condition (Press POWER button on the commander), then press POWER button again, hereupon it becomes TV mode.

c. METHOD OF WRITE INTO MEMORY

- 1) Set to Service Mode.
- 2) Press 1 (UP) and 4 (DOWN), to select the adjustment item Name.
- 3) Press 3 or 6 to raise/lower the data value.
- 4) Press MUTING button to indicate WRITE on the screen.
- 5) Press 0 button to write into memory.

d. OTHER FUNCTION VIA REMOTE COMMANDER

[7], [0] All the data becomes the values in memory.

8, 0 All goes to the standard state.

5, 0 Service data initialization (Be sure not to use

DISPLAY,

Write 50Hz adjustment data to 60Hz, or vice versa

[2], [0] Copy and write all data.

Cursor +/- Skip category (device) to caategory (device)

example: GEO 00 VSZ

DAC 00 HCT

e. MEMORY WRITE CONFIRMATION METHOD

- After adjustment, pull out the plug from AC outlet, and then plug into AC outlet again.
- 2) Turn the power switch ON and set to Service Mode.
- 3) Call the adjusted items again to confirm adjustments were made.

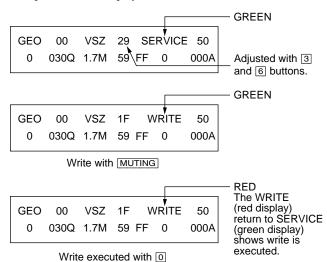
7-2. ADJUSTMENT METHOD

Item Number 00 of device GEO

This explanation uses V-size as an example.

- 1. Select "GEO 00 VSZ" with the 1 and 4 buttons.
- 2. Raise/lower the data with the **3** and **6** buttons.
- 3. Select the optimum state. (The standard is 1F for PAL reception.)
- 4. Press MUTING button to indicateWRITE on screen. (The display from SERVICE (green display) to WRITE (green display).
- 5. Execute the writing with the ① button. (The WRITE display changes to red color while executing and then back to SERVICE (green display).
- 6. The WRITE execution is completed.

Example on screen display :-



Use the same method for all Items.

Note: 1. In WRITE, the data for all items are written into memory together.

2. For adjustment items that have different standard data between 50Hz or 60Hz, be sure to use the respective input signal after adjustment.

TVG	Funct	ionality	Initial	Range	Function							Device Name
							50			60		
Category	No.	Name				50	50NC	50VC	60	60 NC	60VC	
GEO	00	VSZ	21	3F	V SIZE		1A	1A		1C	1C	CXA2100AQ
	01	VPS	27	3F	V POSITION		25	25		22	22	
	02	VLN	5	0F	V LINEARITY		06	06		06	06	
	03	sco	0A	0F	S CORRECTION		09	09		09	09	
	04	HSZ	1E	3F	H SIZE		1E	1E		1B	1B	
	05	HPS	2F	3F	H POSITION		24	22		1B	1A	
	06	PAP	28	3F	PIN AMP		2D	2F		30	33	
	07	UPN	25	3F	UPPER CORNER PIN		24	28		26	29	
	08	LPN	23	3F	LOWER CORNER PIN		23	26		24	27	
	09	TRZ	0C	0F	TRAPEZIUM		0B	0B		0A	0A	
	0A	AGL	0A	0F	AFC ANGLE		09	09		09	09	
	0B	BOW	6	0F	AFC BOW		0A	0A		0A	0A	
	0C	LBL	12	3F	LEFT H BLANKING		16	16		21	21	
	0D	RBL	2C	3F	RIGHT H BLANKING		1B	1B		1C	1C	
	0E	MPN	0	3	MIDDLE PIN DISTORTION COMPENSATION		0	0		0	0	
	0F	UVL	0	0F	UPPER V LINEARITY	0			0			
	10	LVL	0	0F	LOWER V LINEARITY	0			0			
	11	НСР	0	3	HORIZONTAL HIGH VOLTAGE COMPENSATION		0	0		0	0	
	12	VCP	1	3	VERTICAL HIGH VOLTAGE COMPENSATION		0	0		0	0	
	13	VAS	2F	3F	V ASPECT		2F	2D		2F	2D	
	14	VSC	1F	3F	V SCROLL	1F	1F	1D	1F	1F	1E	
	15	USC	0	1	UNDER-SCAN MODE ON/OFF		0	1		0	1	
	16	VBW	0	3	V BLANKING WIDTH CONTROL		0	2		0	0	
	17	AT1	2	3	AKB REFERENCE TIMING		2	1		2	0	
	18	CPY	0	1	COPY THE GEO DATA TO ALL 50/60HZ NVM AREA							

TVG	Funct	ionality	Initial	Range	Function											Device Name
							50			60			Eco I	Mode		'
Category	No.	Name				50	50NC	50VC	60	60NC	60VC	Eco OnNC	Eco OffNC	Eco ONVC	Eco OffVC	
DAC	00	HCT	33	FF	H CENTER	СС			СС							MB88141
	01	HLN	27	3F	H LINEARITY		2B	2B		2D	2D					
	02	MDP	26	3F	MIDDLE PIN		1F	1F		1F	1F					
	03	CCP	37	3F	LOWER CORNER PIN		10	04		10	04					
	04	HTR	26	3F	HORIZONTAL TRAPEZIUM		1F	1F		1F	1F					
	05	PBA	1F	3F	PIN UNBALANCE		16	16		16	16					
	06	DPH	1F	3F	DF PHASE		1F	1F		1F	1F					
	07	QPH	19	3F	QP PHASE		19	19		19	19					
	08	QAC	23	3F	QP AMPLITUDE		23	23		23	23					
	09	QDC	20	3F	QP DC LEVEL		20	20		20	20					
	0A	QDV	1F	3F	QP V MODULATION		1F	1F		1E	1E					
	0B	QAV	1A	3F	QP AMPLTUDE MODULATION		1A	1A		1D	1D					
	0C	ABC	0	FF	ABL D/A CONTROL							00	7E	00	7E	
	0D	CPY	0	1	COPY THE DAC DATA TO ALL 50/60Hz NVM AREA											

TVG	Funct	tionality	Initial	Range	Function	Common	Device Name
Category	No.	Name					
WHB	00	СВО	7	0F	DC OFFSET CANCELLER FOR Cb1	07	CXA2100QA
	01	CRO	7	0F	DC OFFSET CANCELLER FOR Cr1	07	
	02	SBR	18	3F	SUB BRIGHTNESS CONTROL	18	
	03	RDR	29	3F	R DRIVE	29	
	04	GDR	25	3F	G DRIVE	25	
	05	BDR	26	3F	B DRIVE	26	
	06	RCT	24	3F	R CUTOFF	24	
	07	GCT	12	3F	G CUTOFF	12	
	08	вст	31	3F	B CUTOFF	31	
	09	SBO	29	3F	SUB BRIGHTNESS OFFSET	29	
	0A	RDO	1F	3F	R DRIVE OFFSET	1F	
	0B	GDO	1A	3F	G DRIVE OFFSET	1A	
	0C	BDO	1A	3F	B DRIVE OFFSET	1A	
	0D	RCO	1F	3F	R CUTOFF OFFSET	1F	
	0E	GCO	1E	3F	G CUTOFF OFFSET	1E	
	0F	всо	15	3F	B CUTOFF OFFSET	15	

TVG	Functi	ionality	Initial	Range	Function	Common																	Device Name
										50			60			Picture	Mode			Eco	Mode		ı l
Category	No.	Name					50	60	TV	Video	DVD	TV	Video	DVD	Dynamic	Standard/ Drama	Hi-Fine/ Soft	Personal	Eco OnNC	Eco OffNC	Eco ONVC	Eco OffVC	
SAJ	00	PIC	3F	3F	PICTURE CONTROL										3F	3F	3F						CXA2100AQ
	01	BRT	1F	3F	BRIGHTNESS CONTROL										1F	1F	1F						ı l
	02	COL	27	3F	COLOR CONTROL										27	27	27						ı l
	03	HUE	1F	3F	HUE CONTROL										1F	1F	1F						ı l
	04	SHP	24	3F	SHARPNESS CONTROL										24	24	24						ı l
	05	VML	3	3	VM LEVEL										03	03	03	03					ı l
	06	DYC	1	1	DYNAMIC COLOR ON/OFF										01	01	01	01					ı l
	07	СТМ	0	1	COLOR TEMPERATURE FOR DYNAMIC COLOR										00	00	00	00					
	08	CAX	2	3	COLOR MATRIX SPECIFICATION		02	02															ı l
	09	GMA	3	3	GAMMA CORRECTION										03	03	03	03					ı l
	0A	DCT	1	3	DC TRANMISSION CONTROL										01	01	01	01					ı l
	0B	DPL	1	3	AUTO PEDESTAL LEVEL CONTROL										01	01	01	01					ı l
	0C	ABM	0	3	ABL MODE CONTROL										00	00	00	00					ı l
	0D	ABT	0	3	ABL CURRENT DETECTION Vth CONTROL														00	00	00	00	
	0E	CLO	9	0F	COLOR OFFSET				09	09		09	09										ı l
	0F	CLW	3	7	COLOR STEP WIDTH TO THE CHANGE OF S/N	03																	
	10	HUO	9	0F	HUE OFFSET				09	09		09	09										ı l
	11	SHO	7	1F	SHARPNESS OFFSET				07	07	07	07	07	07									i I
	12	SHW	1	7	SHARPNESS STEP WIDTH TO THE CHANGE OF S/N	01																	
	13	BRO	7	0F	BRIGHTNESS OFFSET														07	07	07	07	ı

TVG	Funct	tionality	Initial	Range	Function	Common															Device Name
								50			60			Picture	Mode			Eco	Mode		
Category	No.	Name					TV	Video	DVD	TV	Video	DVD	Dynamic	Standard/ Drama	Hi-Fine/ Soft	Personal	Eco OnNC	Eco OffNC	Eco ONVC	Eco OffVC	
JGL	00	PON	1	1	RGB AND AKB REFERENCE PULSE OUTPUT ON/OFF	01															CXA2100AQ
	01	RGB	7	7	RGB OUTPUT SELECTION	07															
	02	AGG	0	3	AGING MODE SELECTION	00															
	03	DPS	0	1	Y/C DELAY LINE PASS MODE SWITCH	00															
	04	BBT	3	3	RGB BOTTOM LIMITTER CONTROL	03															
	05	LML	0	3	RGB AMPLITUDE LIMITTER CONTROL	00															
	06	PAB	0F	0F	DC LEVEL FOR PEAK ABL	0F															
	07	sco	0C	0F	SUB PICTURE CONTROL	0C															
	08	LV2	7	0F	RBG LEVEL FOR RGB2	07															
	09	SFO	1	1	SHARPNESS CIRCUIT F0		01	01	01	01	01	01									
	0A	PRO	0	3	PRE/OVER-SHOOT RATIO CONTROL		00	00	00	00	00	00									
	0B	LT1	2	3	LUMINANCE TRANSIENT IMPROVEMENT								02	02	02	02					
	0C	CT1	1	3	CHROMINANCE TRANSIENT IMPROVEMENT								01	01	01	01					

TVG	-	ionality	Initial	Range	Function	Common		OHz	Device Name
tegory	No.	Name					TV	Video	·
PIP	00	PRO	0	1	PROGRESSIVE SCAN MODE ENABLE	00	00	00	SDA9489X
	01	RED	0	1	READ DOUBLE MODE	00	00	00	
	02	FEI	0	3	FIELD SELECT	00	00	00	
	оз	HPS	35	FF	HORIZONTAL PICTURE POSITSION	35	35	35	
	04	VPS	1B	FF	VERTICAL PICTURE POSITION	1B	1B	1B	
	05	HFP	0	OF	HORIZONTAL FINE POSITIONING	00	00	00	
	06	VFP	0	OF	VERTICAL FINE POSITIONING	00	00	00	
	07	DIS	0	3	DISPLAY STANDARD	00	00	00	
	08	HOS	0	3	HORIZONTAL SIZE	00	00	00	
	09	VES	0	3	VERTICAL SIZE	00	00	00	
	0A	FPS	0	3	FORCE PARENT STANDARD	00	00	00	
	ов	HZM	0	7	HORIZONTAL ZOOM	00	00	00	
	oc oc	VSP	0	1	VERTICAL SYNC PULSE NOISE REDUCTION	00	00	00	
1	OD	VDL	0	1F	VERTICAL SYNC PULSE DELAY	00	00	00	
	0E	FRH	5	7	FRAME WIDTH HORIZONTAL	05	05	05	
	OF	FMV	2	3	FRAME WIDTH HORIZONTAL	02	05	02	
	10	VRD	0	1	REDUCTION	00	00	00	
	11	VBK	0	1	VERTICAL BLANKING	00	00	00	
	12	DLY	0	F	SELECT DELAY	00	00	00	
	13	PCR	0	1	POSITION CORRECTION	00	00	00	
	14	AGM	3	3	AGC MODE	03	03	03	
	15	AGC	6	F	AUTOMATIC GAIN CONTROL VALUE	06	06	06	
	16	CVB	0	3	CVBS SELECT	00	00	00	
	17	CPD	1	3	CLAMPING DURATION	01	01	01	
	18	CPT	1	3	CLAMPPING PULSE START	01	01	01	
	19	LUM	0	3	LUMINANCE OFFSET	00	00	00	
	1A	PLL	0	3	INSERT PLL TIME CONSTANT		00	00	
	1B	YCD	2	F	Y/C DELAY	02	02	02	
	1C	NSR	0	3	NOISE REDUCTION FOR INSERT PLL		00	00	
	1D	LSP	0	1	STANDARD IDENTIFICATION SPEED	00	00	00	
	1E	KIL	0	3	COLOR KILLER TRESHOLD	00	00	00	
	1F	BGP	0	1	BURST GATE POSITION	00	00	00	
	20	SEC	0	1	SECAM IDENTIFICATION LEVEL	00	00	00	
	21	DEM	1	3	DEEMPHASIS SELECTION	01	01	01	
	22	CMA	0	3	CHROMA BANDWITH	00	00	00	
	23	IFC	2	3	IF COMPENSATION FILTER	02	02	02	
	24	HUE	0	1F	HUE	00	00	00	
1	25	SCA	7	1F	COLOR SUBCARRIER ADJUSTMENT	07	07	07	
1	26	CON	0	F	CONTRAST ADJUSTMENT	00	00	00	
	27	BLR	0	F	BLANKING LEVEL RED CHANNEL	00	00	00	
	28	BRT	0	F	BRIGHTNESS ADJUSTMENT	00	00	00	
	29	BLG	0	F	BLANKING LEVEL GREEN CHANNEL	00	00	00	
	2A	BIR	0	1	BLANKING INVERSION RED CHANNEL	00	00	00	
	2B	BIB	0	1	BLANKING INVERSION BLUE CHANNEL	00	00	00	
	2C	BLB	0	F	BLANKING LEVEL BLUE CHANNEL	00	00	00	
	2D	INT	0	1	REFRESH INTERVAL	00	00	00	
	2E	PKR	4F	FF	PEAK LEVEL RED CHANNEL	4F	4F	4F	
	2F	PKG	4F	FF	PEAK LEVEL GREEN CHANNEL	4F	4F	4F	
	30	PKB	4F	FF	PEAK LEVEL BLUE CHANNEL	4F	4F	4F	
	31	FRY	Α	F	FRAME COLOR Y	OA	OA	OA	
	32	OUT	1	1	OUTPUT FORMAT	01	01	01	
	33	FRU	0	F	FRAME COLOR U	00	00	00	
	34	FRV	0	F	FRAME COLOR V	00	00	00	
	35	SAT	7	F	COLOR SATURATION ADJUSTMENT	07	07	07	
	36	YPK	7	7	Y PEAK ADJUSTMENT	07	07	07	
	37	YCO	0	F	Y CORING ENABLE	00	00	00	
	38	PAL	3	3	PAL ID LEVEL	03	03	03	
1		POV	0	7	POSITION OFFSET VERTICAL	00	00	00	
ļ	39								
	39 3A	РОН	0	1F	POSITION OFFSET HORIZONTAL	00	00	00	
	зА	РОН							
			0 0	1F 1F 1F	POSITION OFFSET HORIZONTAL VERTICAL SHRINK H SHRINK	00 00	00	00 00	

Category YCT	No.			Range											V		deo		/D	Device Name
YCT		Name				Common	Multi Comb	3D Comb	S-Input	Other	TV	Video	DVD	50	60	50	60	50	60	
	00	TNT	1F	3F	TINT ADJUSTMENT FOR NTSC															CXA2123Q
	01	PNG	1	1	PAL/NTSC GATE WIDTH	01														
	02	PNI	0	1	PAL/NTSC SENSITIVITY SW	00														
	03	SCL	7	0F	SUB COLOR CONTROL									07	07	07	07			
	04	SCT	8	0F	SUB CONTRAST CONTROL									80	80	08	08			
	05	SFO	2	3	SHARPNESS CENTER FREQUENCY CHANGING	02														
	06	SEQ	3	3	SHARPNESS EQUALIZER CHARACTERISTIC	03														
	07	SHG	5	0F	SHARPNESS GAIN CONTROL									05	05	05	05	05	05	
	08	YOL	1F	3F	Y-OUTPUT LEVEL CONTROL	1F														
	09	BSP	0	3	BLACK STRETCH START POINT CHANGING	00														
	0A	COL	1F	3F	Cb/Cr OUTPUT LEVEL CONTROL	1F														
	0B	DCR	0	3	DC RESTORATION RATIO ADJUSTMENT	00														
	0C	BFO	1	3	BPF/TQF F0 ADJUSTMENT	01														
	0D	BFQ	2	3	BPF/TQF Q ADJUSTMENT	02														
	0E	FSW	1	1	BPF/TQF SWITCH	01														
	0F	SDT	1	1	SECAM DOUBLE TRAP SWITCH	01														
	10	LPF	1	1	Y/Cb/Cr LPF SWITCH	01														
	11	YDL	6	0F	Y-DL TIME ADJUSTMENT		06	06	06	06										
	12	CMT	0	1	Cb/Cr OUTPUT MUTE SWITCH	00														
	13	BO1	7	0F	Cb OFFSET 1 ADJUSTMNET (MAIN ROUTE)	07														
	14	RO1	7	0F	Cr OFFSET 1 ADJUSTMENT	07														
	15	CDF	0	7	V COUNT DOWN FREQUENCY SWITCH	00														
	16	CDM	0	3	V COUNT DOWN JUDGE SWITCH	00														
	17	AFC	0	3	AFC SENSITIVITY SWITCH							00	00							
	18	MVM	1	1	MACROVISION MASK + AFC MASK	01														
	19	SRY	7	0F	SECAM R-Y BLACK ADJUSTMENT	07														
	1A	SBY	1	0F	SECAM B-Y BLACK ADJUSTMENT	01														
	1B	BEL	2	3	SECAM BELL/HPF SWITCHING	02														
	1C	BLF	0	1	BELL F0 ADJUSTMENT	00														
	1D	SV1	0	1	SECAM V-ID SWITCH	00														
	1E	SGP	0	3	SECAM GATE POSITION ADJUSTMENT	00														
	1F	SID	1	1	SECAM SENSITIVITY SWITCH	01														
	20	SIH	0	1	SECAM INHIBITION SWITCH	00														
	21	STP	0	1	Y BLACK LEVEL SETUP FOR PAL PLUS	00														
	22	ASW	2	1	AUTO VIDEO SELECT MODE SW	02														
	23	WSH	0	3	SHARPNESS GAIN STEP FOR NOISE REDUCTION	00														
	24	wco	0	3	Cb/Cr OUTPUT LEVEL STEP FOR NOISE REDUCTION	00														
	25	CB2	7	7	Cb2 OFFSET ADJUSTMENT (YCbCr2 INPUT)	07														
	26	CR2	7	7	Cr2 OFFSET ADJUSTMENT (YCbCr2 INPUT)	07														
	27	НРН	0	1	HS OUTPUT PHASE SWITCH	00														
	28	VPH	0	0	SWITCH FOR VP OUTPUT PHASE	00														
	29	NCM	0	1	NTSC COMB	00														

TVG	Funct	ionality	Initial	Range	Function	Common	Dynamic	Standard/Drama	Hi-Fine/Soft	Personal	Device Name
Category	No.	Name									
AP	00	BAS	13	1F	BASE SOUND MODE CONTROL	13	13	13	13		BH3868FS
	01	TRE	12	1F	TREBLE SOUND MODE CONTROL	12	12	12	12		
	02	BBE	99	FF	BBE SOUND MODE CONTROL	99	99	99	99		
	03	SON	0	1	SURROUND ON/OFF	00					
	04	SST	0	1	SURROUND STEREO	00					
	05	SMO	0	1	SURROUND MONORAL	00					
	06	LOP	0	1	SURROUND EFFECT ENHANCEER	00					
	07	SUR	0	7	SURROUND EFFECT	00					

TVG	Funct	ionality	Initial	Range	Function	Common	Device Name
Category	No.	Name					
MSP	00	WST	15	FF	W/G STEREO THRESHOLD	15	MPS3415D
	01	WBT	EA	FF	W/G BILINGUAL THRESHOLD	EA	1
	02	WLL	5	FF	W/G MONAURAL THRESHOLD	05]
	03	WAC	1	OF	W/G AGREEMENT COUNT	01	
	04	WDL	30	FF	W/G SEARCH DELAY	30	
	05	NDL	20	FF	NICAM SEARCH DELAY	20	
	06	SDL	10	FF	STEREO STATUS READ DELAY	10	
	07	AGC	1	1	AGC SWITCH AUTO/CONSTANT	01	
	08	REL	28	3F	AGC GAIN AT CONSTANT MODE	28	
	09	CRM	0	1	CARRIER MUTING ON/OFF	00	
	0A	ACO	1	1	AUDIO CLOCK OUT ON/OFF	01	
	0B	FP	1B	7F	FM PRESCALE FOR NON-M SYSTEM	1B	
	0C	FPM	32	7F	FM PRESCALE FOR M SYSTEM	32	
	0D	FH	2D	7F	FM PRESCALE FOR HDEV	2D	
	0E	FHM	65	7F	FM PRESCALE FOR HDEV AND M	65	
	0F	WGP	1C	7F	W/G PRESCALE	2A	
	10	NIP	7F	7F	NICAM PRESCALE	6D	
	11	ERR	50	FF	AUTO FM SWITCH THRESHOLD	50	

TVG	Functi	ionality	Initial	Range	Function	Common	TV	Video		Picture N	Лode		
Category	No.	Name							Dynamic	Standard/Drama	Hi-Fine/soft	Personal	Device Name
LT1	00	LDH	1	1	HISTOGRAM SEGMENT SELECTION	01							TDA9178
	01	CFS	1	1	CONTOUR FILTER SELECTION	01							
	02	WLB	0	1	LETTERBOX WINDOW SWITCH	00							
	03	VDC	1	1	VIDEO DEPENDANT CORING				01	01	01	01	
	04	DEM	0	1	DEMONSTRATION MODE	00							
	05	CDP	4	07	LUMINANCE DELAY	00							
	06	OSP	0	1	OVERRULE SMART PEAKING	01							
	07	WPO	0	1	WHITE POINT STRETCH OFF	00							
	08	DSK	0	1	SKIN TONE SWITCH				00	00	00	00	
	09	ASK	0	1	SKIN TONE ANGLE SELECTION	00							
	0A	WSK	0	1	SKIN TONE WIDTH SELECTION	00							
	0B	SSK	0	1	SKIN TONE SIZE SELECTION	00							
	0C	DGR	1	1	GREEN ENHANCEMENT SWITCH				01	01	01	01	
	0D	DGT	7	7	THRESHOLD OF GREEN ENHANCEMENT SWITCH	07							
	0E	GGR	0	1	GREEN ENHANCEMENT GAIN	00							
	0F	WGR	0	1	GREEN ENHANCEMENT WIDTH	00							
	10	SGR	0	1	GREEN ENHANCEMENT SIZE	00							
	11	DBL	0	1	BLUE STRETCH SWITCH	00							
	12	GBL	0	1	BLUE STRETCH GAIN SELECTION	00							
	13	SBL	0	1	BLUE STRETCH SIZE SELECTION	00							
	14	CDS	1	1	COLOR DEPENDANT SHARPNESS				01	01	01	01	
	15	CST	7	7	THRESHOLD OF COLOR DEPENDANT SHARPNESS	07							
	16	CT1	0	1	COLOR TRANSIENT IMPROVEMENT				00	00	00	00	
	17	BON	0	1	BLACK OFFSET COMPENSATION				00	00	00	00	
	18	BTD	0	3F	ADAPTIVE BLACK STRETCH				00	00	00	00	
	19	NLD	15	3F	NON-LINEARITY AMPLIFIER				15	15	15	15	
	1A	NLW	7	7	STEP WIDTH OF NON-LINEARITY AMPLIFIER	04							
	1B	VGD	15	3F	VARIABLE GAMMA				15	15	15	15	
	1C	VGW	0	7	STEP WIDTH OF VARIABLE GAMMA	00							
	1D	PKD	3F	3F	PEAKING AMPLITUDE				3F	3F	3F	3F	
	1E	PKW	8	0F	STEP WIDTH OF PEAKING AMPLITUDE	08							
	1F	SPD	0	3F	STEEPNESS CORRECTION				00	00	00	00	
	20	CRD	11	3F	CORING LEVEL				11	11	11	11	
	21	CRW	9	0F	STEP WITH CORING LEVEL	09							
	22	CRO	0	0F	CORING LEVEL OFFSET FOR VIDEO MODE	09							
	23	LWD	1F	3F	LINE WIDTH CORRECTION	1F							
	24	SNM	0	7	S/N MODE UNDER UNRELIABLE S/N CONDITION	01							
	25	SNC	3	OF	S/N RATIO AVERAGE COUNTER		03	03					
	26	FMC	2	OF	FEATURE MODE MATCHING COUNTER	02							

TVG	Funct	ionality	Initial	Range	Function	Common	Device Name
Category	No.	Name					
DRC	00	MOD	0		DRC MODE (FOR EVALUATION ONLY) 00-NORMAL, 01-FORCED 1250I, 02-FORCED PROGRESSIVE, 03-FORCED SIMPLE PROGRESSIVE	00	

Category No. 3CM 00 01 02 03 04 05 06	Name FRZ NRM YCO SYC	0	Range 1				Video			Mode			Picture M			
3CM 00 01 02 03 04 05 06	FRZ NRM YCO		1					NR mode 0	NR mode 1	NR mode 2	NR mode 3	Dynamic	Standard/Drama	Hi-Fine/soft	Personal	Device Name
01 02 03 04 05 06	NRM YCO			EXTERNAL MEMORY TEST BIT	00								00	00	00	UPD64082
02 03 04 05 06	YCO		3	NOISE REDUCTION OPERATION MODE	00	Н							00	00	00	01 204002
03 04 05 06		0E	0F	Y/C SIGNAL OUTPUT SELECTION	0E	Н							0E	0E	0E	
04 05 06		1	3	SYSTEM CLOCK SELECTION	01	Н							01	01	01	
05 06	STD	0	3	STANDARD/NON-STANDARD OPERATION SELECTION	00	Н							00	00	00	
06	MSS	0	3	INTER-FRAME/INTER-LINE OPERATION SELECTION	00	Н							00	00	00	
	KIL	3	3	KILLER/NON-KILLER OPERATION SELECTION	03								03	03	03	
07	EAD	0	1	EXTERNAL Y-ADC SWITCH	00	Н							00	00	00	
08	ECS	1	3	EXTERNAL C-SYNC INPUT SELECTION	01	Н							01	01	01	
09	CPP	2	3	ADC INPUT LEVEL & CLUMP PULSE WIDTH SELECTION	02								02	02	02	
0A	PWR	0	1	ADC INPUT WIDTH SWITCH	00								00	00	00	
0B	HDP	5	7	HORIZONTAL PHASE ADJUSTMENT	05	Н							05	05	05	
0C	CDL	4	7	C-SIGNAL DELAY ADJUSTMENT	04								04	04	04	
0D	DYC	2	0F	DY DETECTION CORING LEVEL ADJUSTMENT	7.			02	02	02	02		02	02	02	
0E	DYG	0A	0F	DY DETECTION GAIN ADJUSTMENT				0A	0A	0A	0A		0A	0A	0A	
0F	DCC	5	0F	DC DETECTION CORING LEVEL ADJUSTMENT				05	05	05	05		05	05	05	
10	DCG	5	0F	DC DETECTION GAIN ADJUSTMENT				05	05	05	05		05	05	05	
11	YNR	1	0F	YNR NON-LINEAR FILTER SETUP	01			-	-				01	01	01	
12	CNR	1	0F	CNR NON-LINEAR FILTER SETUP	01	Н							01	01	01	
13	wsc	1	3	NOISE DETECTION CORING ADJUSTMENT	01	Н							7.			
14	VTH	1	3	HYSTERESIS SELECTION FOR H-SYNC NON-STANDARD	7.	01	01									
15	VTR	1	3	SENSITIVITY SELECTION FOR H-SYNC NON-STANDARD		01	01									
16	LDR	2	3	SENSITIVITY SELECTION FOR FRAME-SYNC NON- STANDARD		02	02									
17	VAP	3	7	GAIN ADJUSTMENT FOR VERTICAL SHAPE CORRECTION								03	03	03	03	
18	VAI	0C	1F	VANISHING ADJUSTMENT FOR VERTICAL SHAPE CORRECTION								0C	0C	0C	0C	
19	TST	0	1	TEST BIT	00											
1A	YPF	3	3	CENTER FREQUENCY SELECTION FOR Y-PEAKING BPF								03	03	03	03	
1B	YPG	8	0F	GAIN ADJUSTMENT FOR Y-PEAKING BPF								08	08	08	08	
1C	VSE	OA	0F	LINE COMB FILTER SETUP	00											
1D	CCN	0	1	C-SIGNAL SPLIT FILTER SWITCH	00											
1E	cos	0	1	C-SIGNAL DELAY SWITCH AT NOISE REDUCTION	00											
1F	SDC	0	1	DC DETECTION SENSITIVITY SWITCH	00											
20	SDY	1	1	DY DETECTION LOWER-LEVEL SENSITIVITY SWITCH	00											
21	D2G	4	7	D2 GAIN SELECTION	00											
22	YHC	0	3	Y-SIGNAL HIGHER-LEVEL CORING SELECTION								00	00	00	00	
23	YHG	0	1	Y-SIGNAL HIGHER-LEVEL GAIN SWITCH								00	00	00	00	
24	SHT	0	0F	NON-STANDARD DETECTION & H/V COUNTER TEST BITS	00											
25	CLK	8	0F	CLOCK TEST BITS	00											
26	PLL	0D	0F	PLL FILTER SETUP	00											
27	KRF	3	0F	KILLER DETECTION REFERENCE ADJUSTMENT	00											
28	HSL	0C	0F	H-SYNC SLICE LEVEL ADJUSTMENT	01											
29	VSL	8	0F	V-SYNC SLICE LEVEL ADJUSTMENT	00											
2A	BPS	4	0F	INTERNAL BURST GATE START POSITION ADJUSTMENT	1A											
2B	BPW	0A	0F	INTERNAL BURST GATE WIDTH POSITION ADJUSTMENT	2C											
2C	ADC	3	3	ADC CLOCK DELAY SELECTION	03											
2D	APD	1	1	ADC POWER-DOWN SWITCH	01											
2E	NSD	1	1	NON-STANDARD DETECTION TEST BIT	01											
2F	SPD	2	3	MEMORY POWER-DOWN SWITCH	02											
30	CNT	0	1	CNR TEST BIT	00											

TVG	Functionality Initia		Functionality Initial		Initial	Range	Function		Device Name
Category	No.	Name							
TXT	00	TXH	1	3	TELETEXT HORIZONTAL POSITION FOR PHILIPS	01	SAA5261		
	01	TXV	0	7	TELETEXT VERTICAL POSITION FOR PHILIPS	01			

TVG	Funct	ionality	Initial	Range	Function	Common	Device Name
Category	No.	Name					
OPM	00	OSH	12	3F	OSD H POSITION	0C	CXP750096
	01	FW1	0	3F	OSD ODD/EVEN FIELD WINDOW SETUP #1	0C	OPTION-MISC
	02	FW2	3	3F	OSD ODD/EVEN FIELD WINDOW SETUP #2	0C	
	03	СОМ	0	03	COMB OPERATION SELECTION	02	
	04	APC	1	1	APC SWITCH	00	
	05	TSY	0	03	TV SYSTEM SELECTION UNDER SEARCHING WITH AUTO TV SYSTEM	00	
	06	MUT	0	1	NO SIGNAL MUTE	01	
	07	AFM	1	1	AUTO FM SWITCH	01	
	08	TVO	3	7	V-ANGLE CORRECTION TO PICTURE ROTATION	03	
	09	DBL	0	1	DISABLE BLUEBACK FUNCTION	00	
	0A	SSO	1	3	SPEED CH SEARCH SELECTION	00	
	0B	TRP	0	3F	MPEG/JPEG NOISE REDUCTION FOR EACH INPUT	00	
	0C	SCH	1	7F	CH SELECTION FOR SHIPPING CONDITION	01	
	0D	SCA	1	1	CABLE/AIR SELECTION FOR SHIPPING CONDITION	01	
	0E	VSN	0	1	ENABLE NOISE REDUCTION IN VIDEO MODE	00	
	0F	PSQ	0	1	POWER SEQ FOR CONTINUOS SIRCS DETECTION SPEC	00	

TVG	Functionality Initial		Functionality Initial Range Function		Common	Device Name	
Category	No.	Name					
ОРВ	00	OP1	E7	FF	OPTION BITS 1 (SEE THE SPECIFIED SHEET)	E7	OPTION-BITS
	01	OP2	17	FF	OPTION BITS 2 (SEE THE SPECIFIED SHEET)	32	

KV-EX29M69 RM-963

Abbreviation

Sur = Surround NR = Noise Reduction

NOTE

• shaded items are fixed data.

- no data.
- Standard data listed on the Adjustment Item Table are reference values, therefore it may be different for each model and for each mode.
- Note for Different Data: The data indicated in the initial colomn are the standard data values written on the microprocessor.
 Therefore, the data values of the modes and stored respectively in the memory. In case of a device replacement, adjustment by rewriting the data value is necessary for some items.

OPTION NOTE

COM Comb Operation Selection 00 = No comb used,

01 = Multi-Standard comb,

02 = 3D comb (NTSC Models only)

03 = Illegal, Do not use

TSY TV System Selection for Auto TV System 00 = B/G, 01 = I, 10 = D/K, 11 = M

SSO Speed CH Search Selection 00 = normal, 01 = 4 times, 10 = 6 times, 11 = 8 times

TRP MPEG/JPEG Noise Reduction

Input	_	_	TV	Video 1	Video 2	Video 3	Video 4	DVD
-------	---	---	----	---------	---------	---------	---------	-----

OP1 Items

Item	TOP	NICAM	HDEV	(Reserved)	Sleep Mode	DVD Input	AV II	nput
KV-EX29M69	1	1	1	0	0	1	1	1

AV Input 00 = no AV Input, 01 = 1 AV Input, 10 = 3 AV Input, 11 = 4 AV Input

OP2 Items

Item	PiP Models	_	-	A-TV sys	_	Chinese	Arabic	Thai
KV-EX29M69	1	_	_	1	-	1	1	1

Pin P PiP models 0 = No PiP, 1 = PiP 0 = Original (Siemens), 1 = Chinese (Philips)

A-TV sys Auto TV System in Auto Program 0 = disabled, 1 = enabled

OSD Language 000 = English only, 100 = English & Chinese (Multi) 010 = English & Arabic 110 = English, Chinese & Arabic 001 = English & Thai 101 = English, Chinese & Thai

011 = English, Arabic & Thai 111 = English, Chinese, Arabic & Thai

NOTE

No.	Modes	Details	Entry Conditions
1.	50NC/60NC	Signal 50/60Hz Non-Compressed mode.	Input 50Hz(PAL)/60Hz(NTSC), wide mode OFF (TV/ video mode)
2.	50VC/60VC	Signal 50/60Hz V-Compressed mode.	Input 50Hz(PAL)/60Hz(NTSC), wide mode ON (TV/Video mode)
3.	ECO ON/OFF NC	Eco modeON/OFF Non-Compressed mode.	ECO mode ON/OFF, wide mode OFF
4.	ECO ON/OFF VC	ECO mode ON/OFF V-Compressed mode.	ECO mode ON/OFF, wide mode ON
5.	50/60 DVD	Signal 50/60Hz Digital Video Disk	Input 50Hz(PAL)/60Hz(NTSC), DVD
6.	Multi Comb	Multi Comb Filter	Input PAL, NTSC 3.58, Service mode category OPM 03 COM 01 (Multi Model only)
7.	3D Comb	3 Dimensional Comb Filter	Input NTSC 3.58 only, Service mode category OPM 03 COM 02 (NTSC model only)
8.	S-Input	S-Video Input	Connect S-Video Cable, video mode

7-3. PICTURE QUALITY ADJUSTMENTS

PICTURE ADJUSTMENT

- 1. Set to service mode.
- 2. Set A/V control to HI-FINE.
- 3. Set the following condition.

Adjustment condition

SAJ	00	PIC	3F
	06	DYC	00
	0E	CLO	06
	10	HUO	07
JGL	04	BBT	00
	05	LML	03

ECO MODE : OFF WIDE MODE : OFF DRC-MF : DRC1250

MEASUREMENT POINT

VR: R100 (the pin 6 of CN1100) VB: B100 (the pin 7 of CN1100)

CAUTION

After Adjustment, these adjustment parameters must be recovered to the original condition.

PIC

Original Condition

SAJ

	06	DYC 0	HI-FINE	E
	50 TV	50 VIDEO	60 TV	60 VIDEO
0E CLO	09	08	09	09
10 HUO	08	08	09	09
IG	I 04	RRT 03		

28

HI-FINE

05 LML 00

1. DRIVE ADJUSTMENT (VIDEO MODE)

Input signal: PAL Color bar, to Video 1 [Service] mode.

(i) SUB CONTRAST

Condition:	SAJ	00	PIC	3F
		02	COL	00
	JGL	01	RGB	04
Adjusting par	ameter:			

Adjusting parameter:

YCT 08 YOL

2. DRIVE ADJUSTMENT (RF MODE)

Input signal: PAL Color bar HI-FINE Mode.

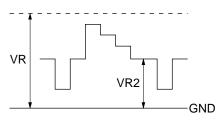
(i) SUB CONTRAST

Condition:	SAJ	00	PIC	3F
		02	COL	00
	JGL	01	RGB	04

Adjusting parameter:

YCT 04 SCT

(ii) Copy SCT data to NTSC (RF MODE)



 $VR1 - VR2 = VR = 2.35 \pm 0.07 (Vp-p)$

SUB HUE/COL ADJUSTMENT

1. SUB HUE/SUB COL (VIDEO MODE)

Input signal: NTSC Color bar HI-FINE Mode.

Condition: SAJ 02 COL 1F

JGL 01 RGB 07

SAJ 10 HUO 07

Adjusting parameter:

YCT 0A COL YCT 00 TNT

After the adjustment SAJ 10 HUO 9

2. SUB HUE/SUB COL (NTSC RF MODE)

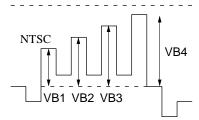
Input signal : NTSC Color bar.

Condition : SAJ 02 C

Condition:	SAJ	02	COL	IF
	JGL	01	RGB	07
	SAJ	10	HUO	07

Adjusting parameter:

YCT 03 SCL YCT 00 TNT



 $VB1 = VB4 \pm 70 \text{ mV}$ $VB2 = VB3 \pm 70 \text{ mV}$

3. SUB COLOR ADJUSTMENT (PAL RF MODE)

03

VB1 VB2 VB3

Input signal: RF PAL Color bar HI-FINE Mode.

Condition: SAJ 02 COL 1F JGL 01 RGB 07

YCT

Adjusting parameter:

PAL VB4

SCL

VB1 = VB2 = VB3

7-4. DEFLECTION ADJUSTMENTS

FOR DRC 1250 (50Hz) MODE

- 1. Set to Service Mode.
- 2. Input a Pal cross hatch/dot signal.
- 3. Set the following condition.

Picture Mode to DYNAMIC, Picture Rotation to +/-0 and Eco Mode to OFF.

- 4. Set to DRC-MF1250 mode.
- Using the 1 and 4 button, select category GEO (Service Mode).
- Raise/lower the data using the 3 and 6 buttons.
 Select and adjust the following items to obtain optimum image.

Service Item

GEO: 00	VSZ	V SIZE
01	VPS	V POSITION
02	VLN	V LINEARITY
03	SCO	S CORRECTION
04	HSZ	H SIZE
06	PAP	PIN AMP
07	UPN	UPPER CORNER PIN
08	LPN	LOWER CORNER PIN
09	TRZ	TRAPEZIUM
0A	AGL	AFC ANGLE
0B	BOW	AFC BOW

- Using the 1 and 4 buttons select category DAC (Service Mode).
- 8. Select and ad List the following items to obtain optimum image. Raise/lower the data with the 3 and 6 buttons. Select and adjust the following items to obtain optimum image.

Service Item

DAC: (01	HLN	H LINEARITY
()4	HTR	HORIZONTAL TRAPEZIUM
()5	PBA	PIN UNBALANCE

- 9. Select "GEO 04 HSZ" with the 1 and 4 buttons.
- Confirm the H Size condition. If necessary, adjust the H Size to get a best condition.
- 11. Write into the memory by pressing MUTING then 0 on the remote commander.

FOR WIDE MODE, DRC1250 (50Hz)

- 12. Adjust condition change to WIDE MODE: ON.
- 13. COPY (item FOR DRC 1250 (50Hz) MODE and adjust data for the following items.

Service Item

GEO: 00	VSZ	V SIZE
01	VPS	V POSITION
04	HSZ	H SIZE

14. Adjust V Blanking the following items.

Service Item

GEO: 13	VAS	V ASPECT	
14	VSC	V SCROLL	

15. Adjust the following items.

Service Item

GEO:	02	VLN	V LINEARITY
	03	SCO	S CORRECTION
	05	HPS	H POSITION
	06	PAP	PIN AMP
	07	UPN	UPPER CORNER PIN
	08	LPN	LOWER CORNER PIN
	09	TRZ	TRAPEZIUM
	0A	AGL	AFC ANGLE
	0B	BOW	AFC BOW
DAC:	01	HLN	H LINEARITY
	04	HTR	HORIZONTAL TRAPEZIUM
	05	PBA	PIN UNBALANCE

16. Repeat step 5 and 6.

FOR DRC 1250 (60Hz) MODE

- 17. Input 525/60Hz signal.
- 18. Set to DRC-MF: 1250
- 19. COPY "DAC 00 HCT (DRC 1250, 50Hz)"

"DAC 00 HCT (DRC 1250, 60Hz)"

20. Adjust the Service Item listed in no. 6 and no. 8.

FOR WIDE MODE, DRC 1250 (60Hz)

- 21. Set to WIDE MODE: ON
- 22. Using the 1 and 4 buttons select category GEO (Service Mode).
- Select and adjust the following items to obtain optimum image.

Raise/lower the data with the 3 and 6 buttons.

GEO	00	VSZ	V SIZE
	01	VPS	V POSITION
	04	HSZ	H SIZE

24. Adjust V Blanking for the following items

GEO	13	VAS	V ASPECT
	14	VSC	V SCROLL

- 25. Adjust the Service Item listed in no.15.
- 26. Repeat step 5 and 6
- Input a NTSC cross hatch/dot signal and repeat all above steps.

7-5. A BOARD ADJUSTMENT AFTER IC003 (MEMORY) REPLACEMENT

- 1. Enter to Service Mode.
- Press commander buttons 5 and 0 (Data Initialize), and
 and 0 (Data Copy) to initialize the data.
- 3. Call each item number and check if the respective screen shows the normal picture.

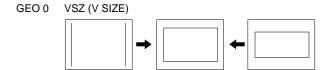
In cases where items are not well adjusted, rectify the items with fine adjustment.

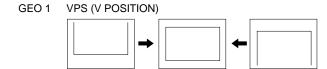
Write the data per each item number ($\boxed{\text{MUTING}} + \boxed{0}$).

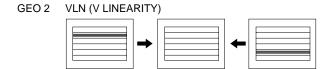
- 4. Select item numbers "OPB00" (OP1), "OPB01" (OP2) and respectively set the bit per model with command buttons 3 and 6.
- 5. Press commander buttons **8** and **0** (Test Normal) to return to the data that was set on the shipment from the factory. (This will also cancel Service Mode.)

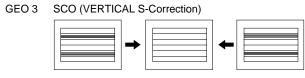
7-6. PICTURE DISTORTION ADJUSTMENT (1)

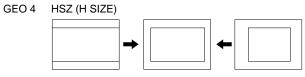
Item Number 00 - 0B

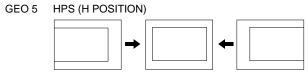


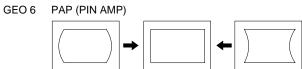






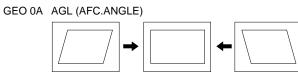


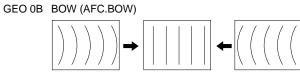




GEO 07 UPN (UPPER CORNER PIN)
GEO 08 LPN (LOWER CORNER PIN)





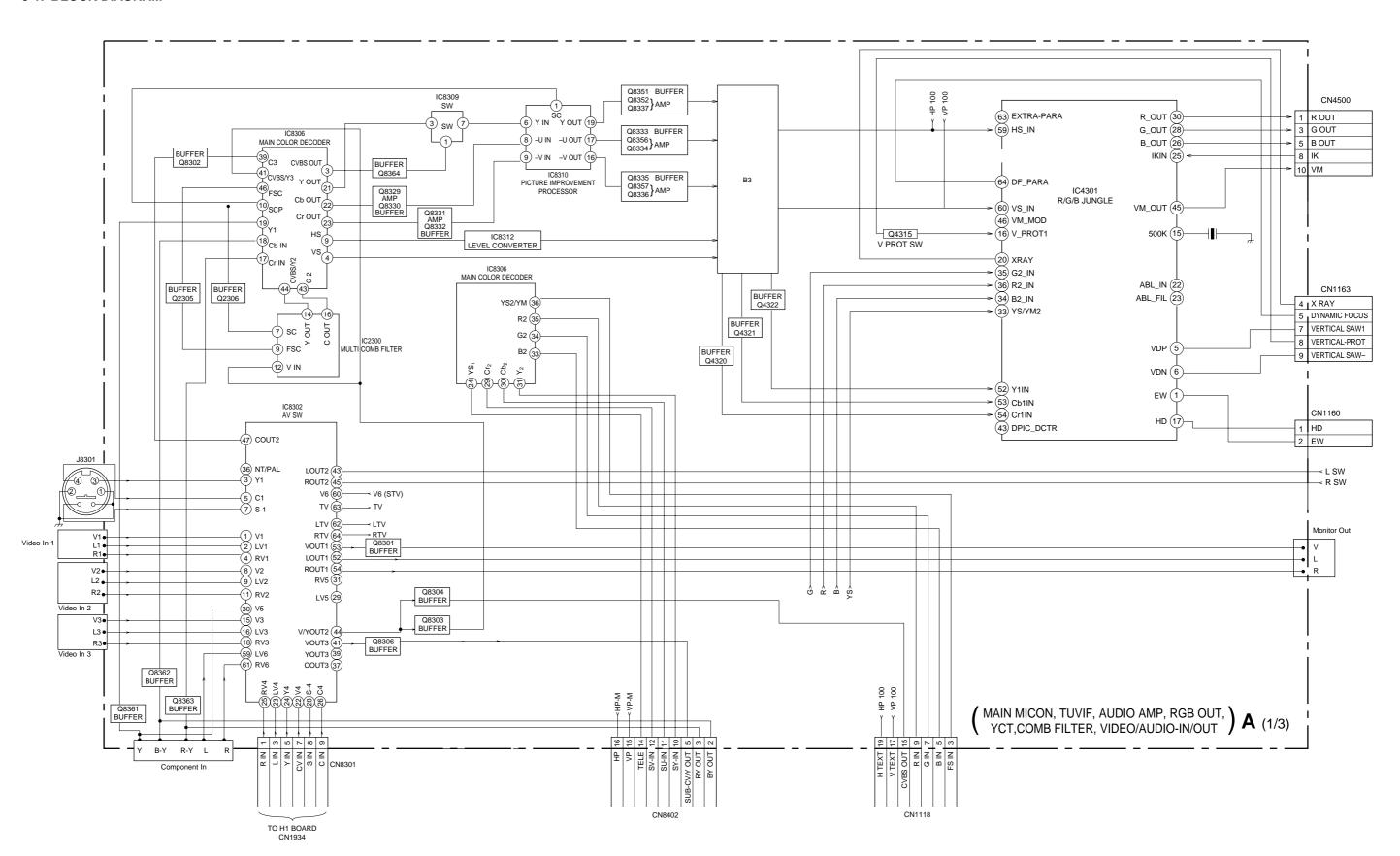


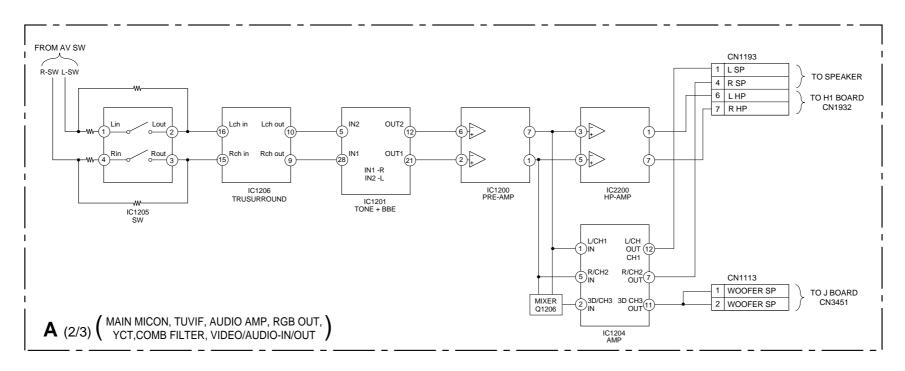
PICTURE DISTORTION ADJUSTMENT (2)

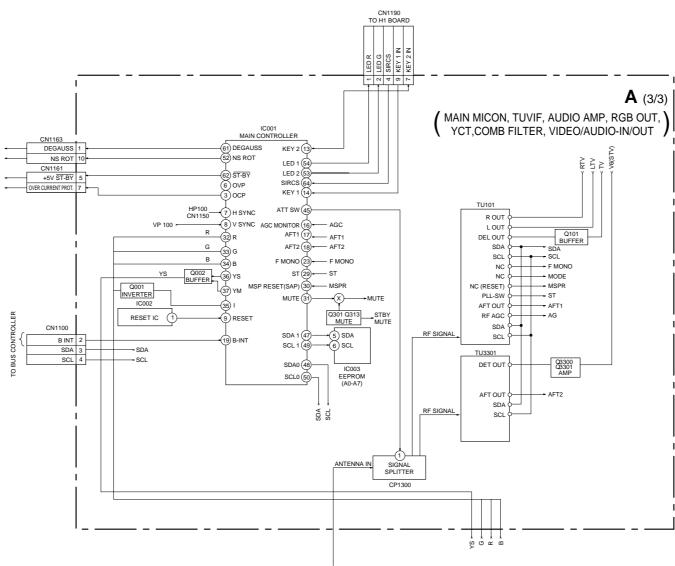


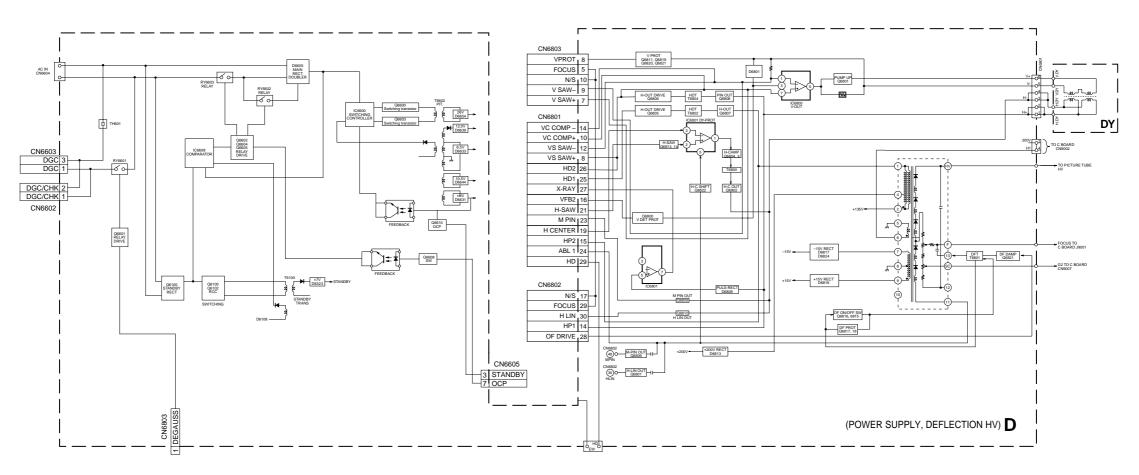
KV-E	RI	M M-	96	3
	٠			

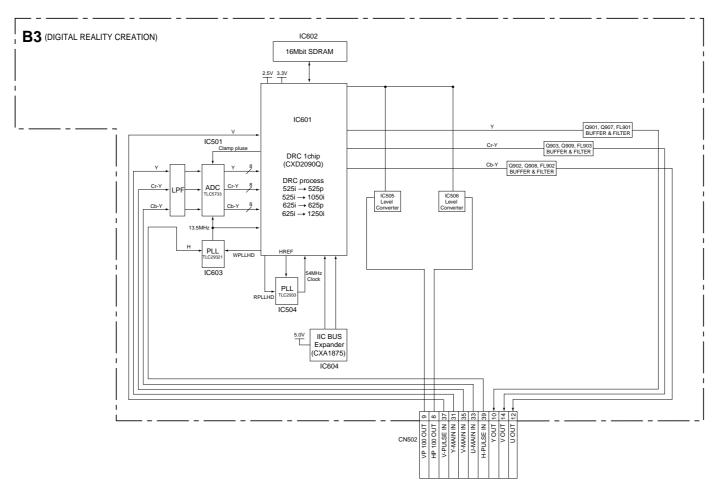
8-1. BLOCK DIAGRAM











8-2. SCHEMATIC DIAGRAMS

Note

- All capacitors are in µF unless otherwise noted.
- All electrolytic capacitors are rated at 50V unless otherwise noted.
- All resistors are in ohms.

 $k\Omega = 1000\Omega$. $M\Omega = 1000k\Omega$

 Indication of resistance which does not have rating electrical power is as follows.

Pitch: 5 mm Rating electrical power 1/4W (CHIP: 1/10W)

: nonflammable resistor.

Δ : internal component.

: panel designation or adjustment for repair.

- All variable and adjustable resistors have characteristic curve B unless otherwise noted.
- · Readings are taken with a color-bar signal input.

no mark : PAL () : SECAM [] : NTSC 3.58 « » : NTSC 4.43

- Readings are taken with a 10 $\!\Omega$ MW digital multimeter.
- Voltage are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.

* : Cannot be measured.

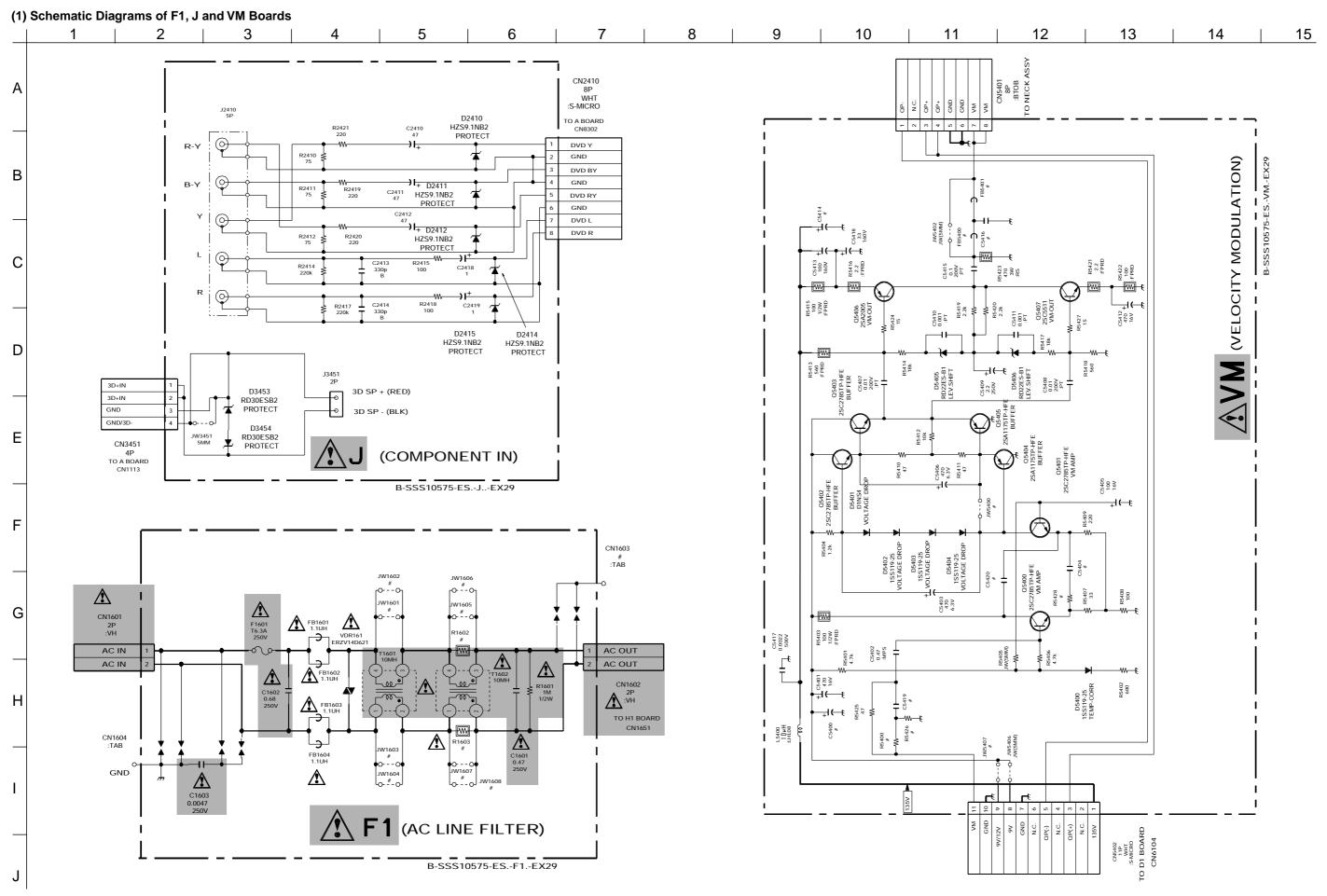
Circled numbers are waveform references.

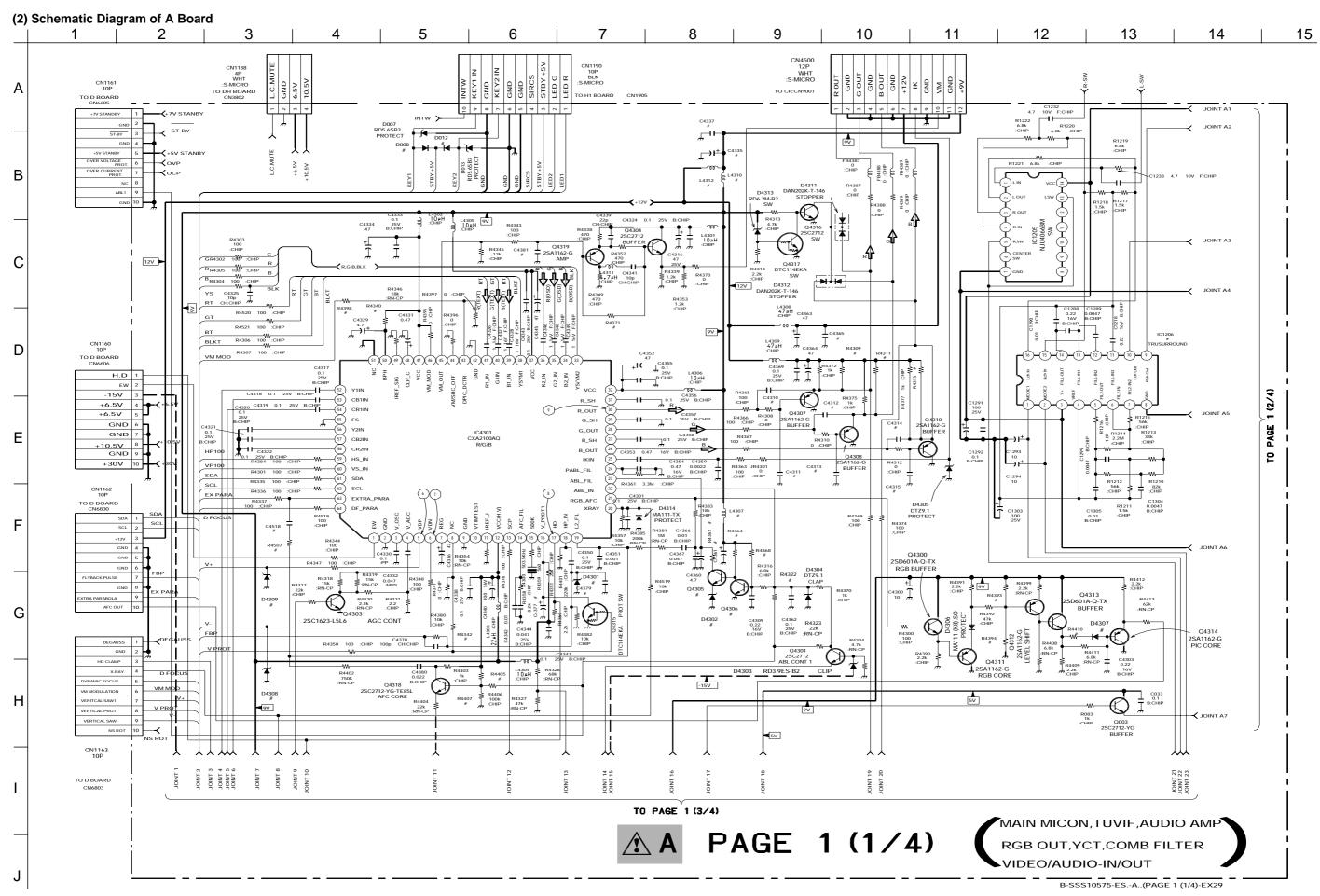
• ■ ■ □ : B + bus. • ■ ■ ■ : B - bus. • ⇒ : signal path.

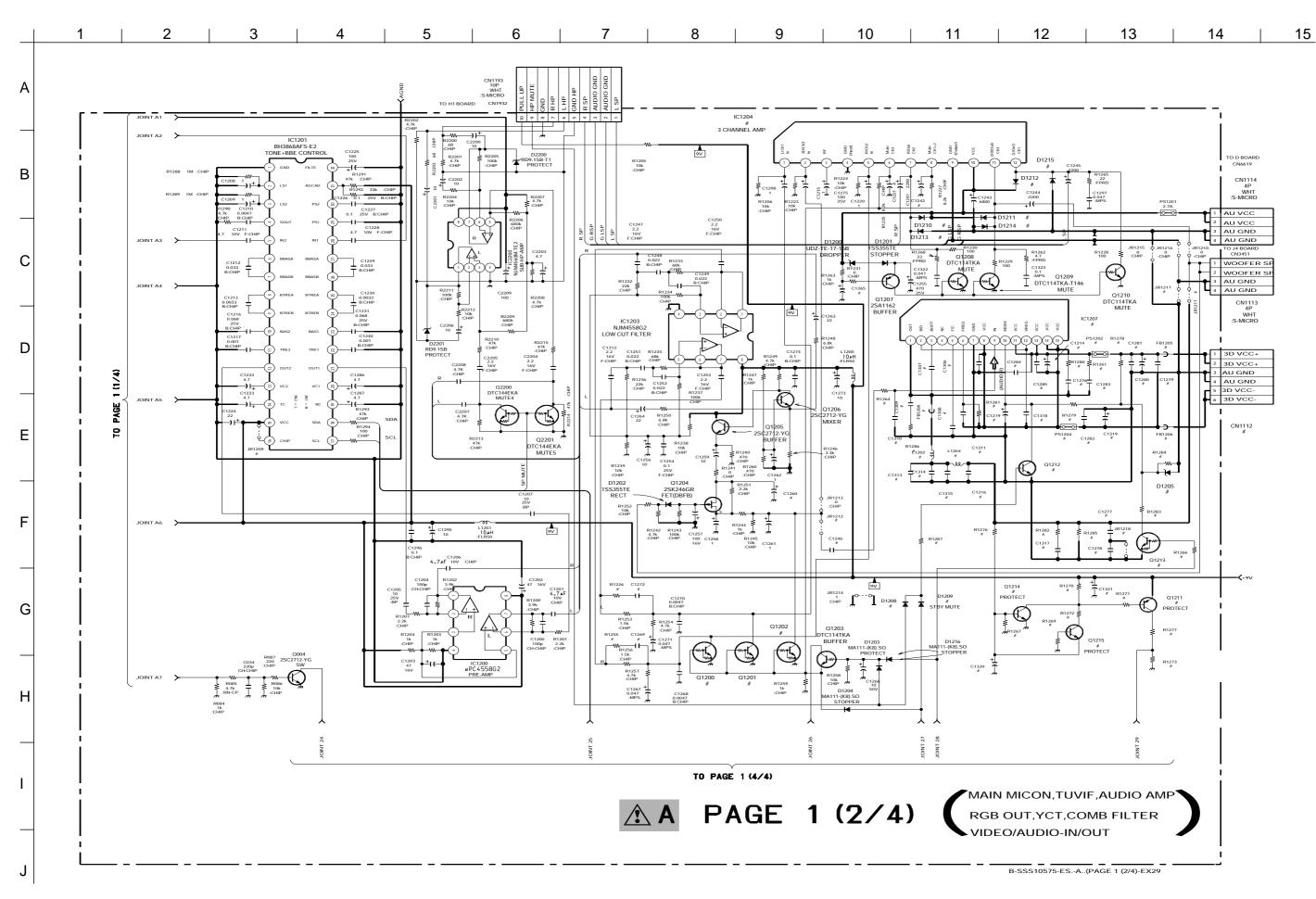
Reference information

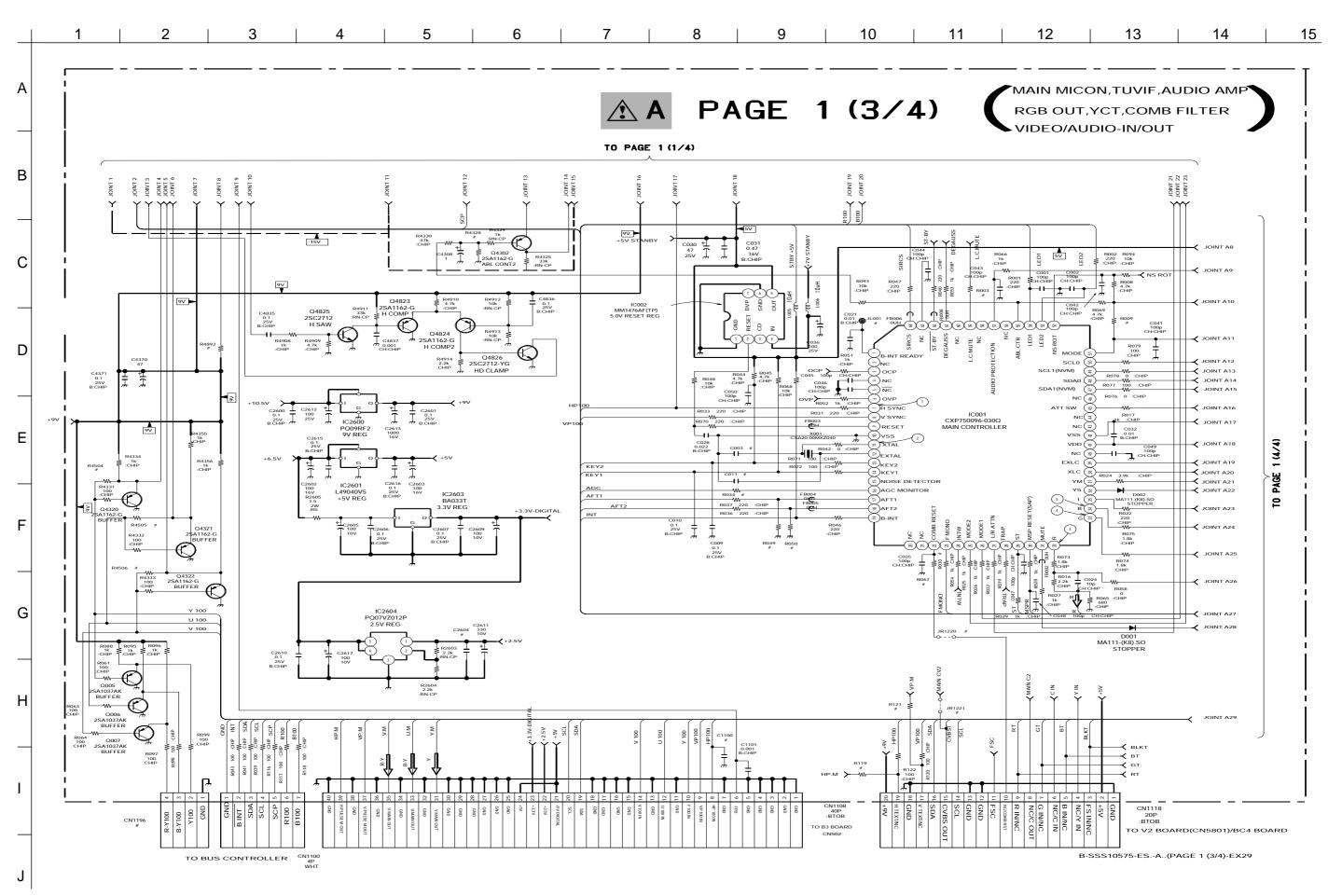
RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	:*	ADJUSTMENT RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE
	COIL	: FPRD : FUSE : RS : RB : RW : * COIL : LF-8L CAPACITOR : TA : PS : PP : PT : MPS : MPP : ALB : ALT

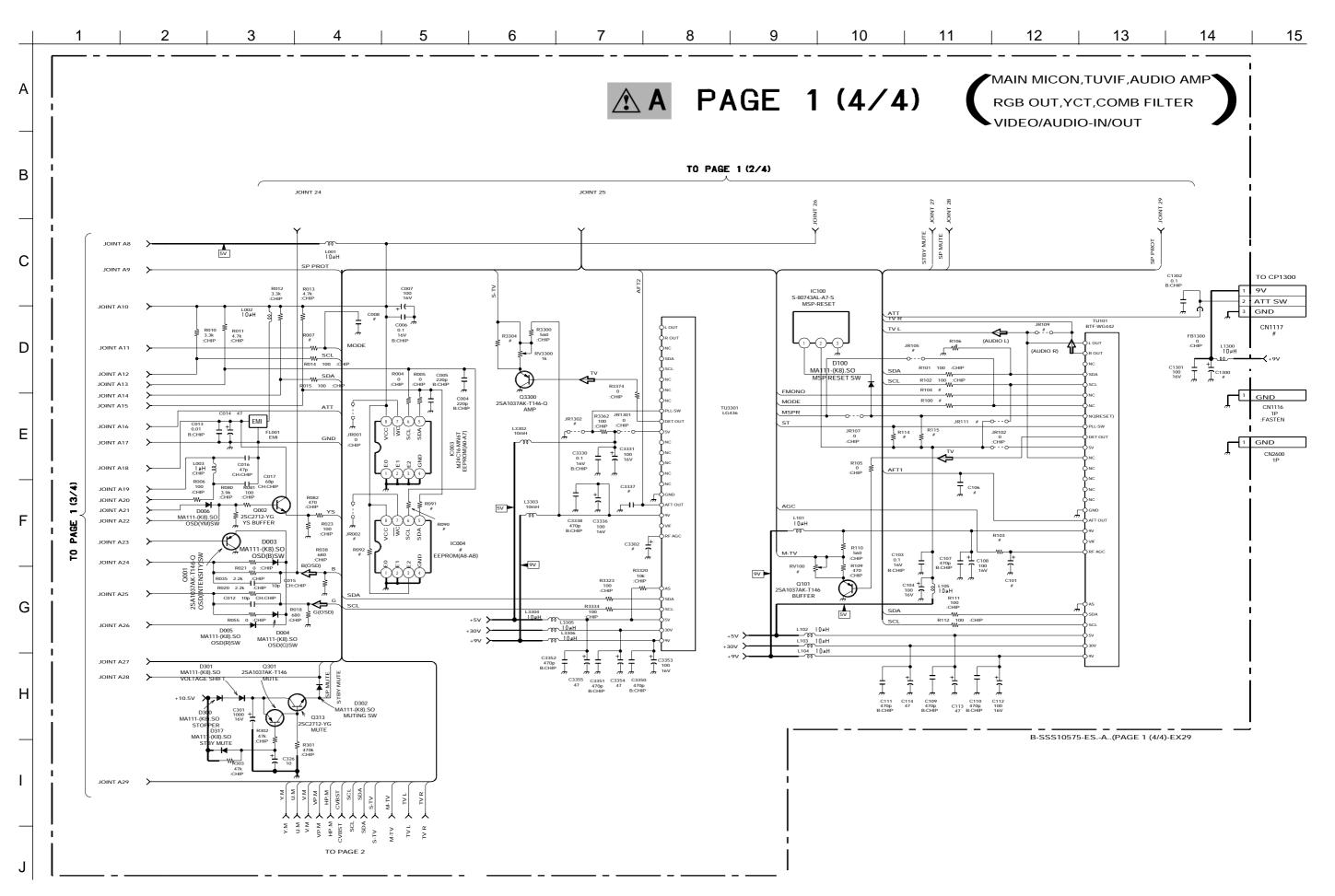
Note: The component identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

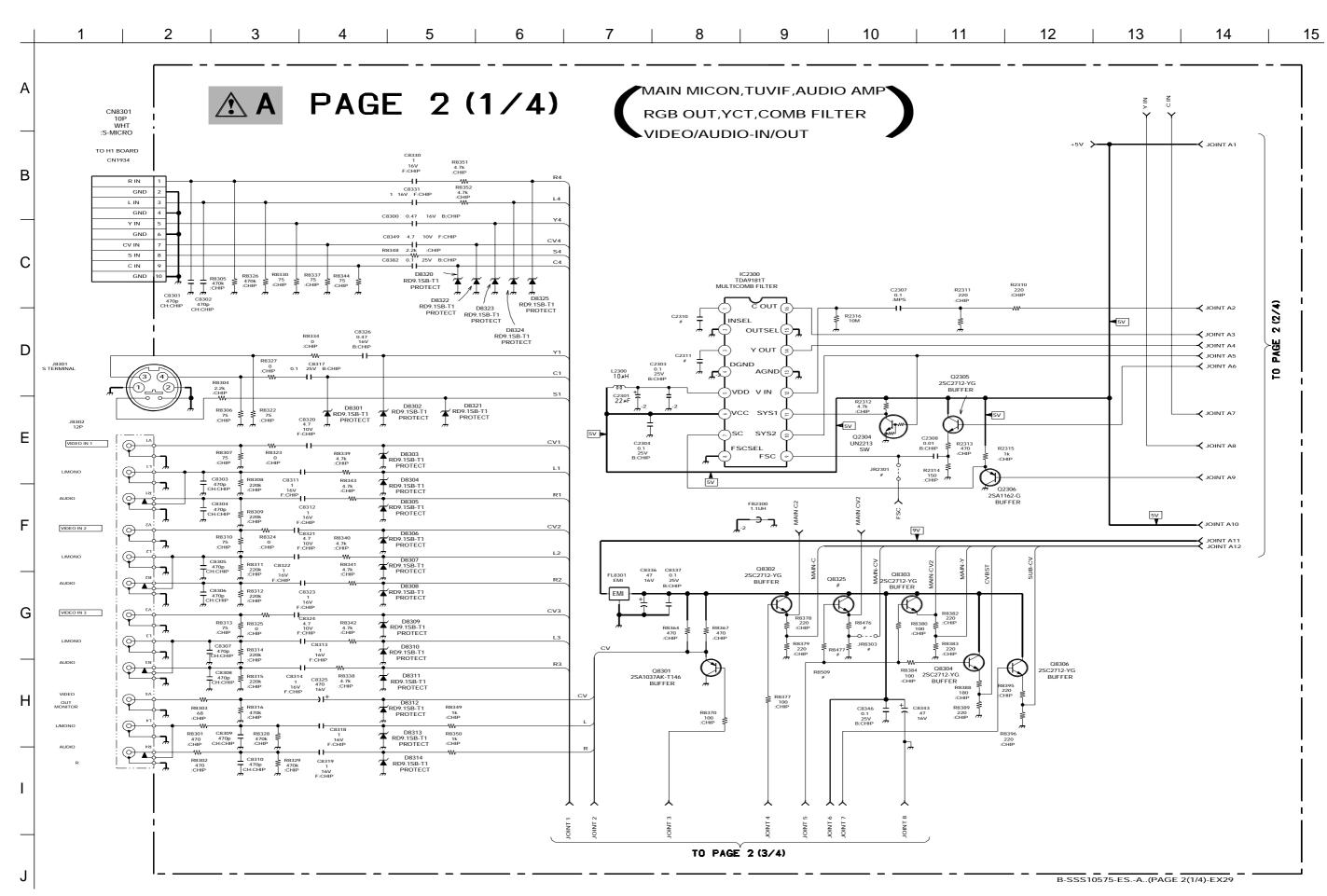


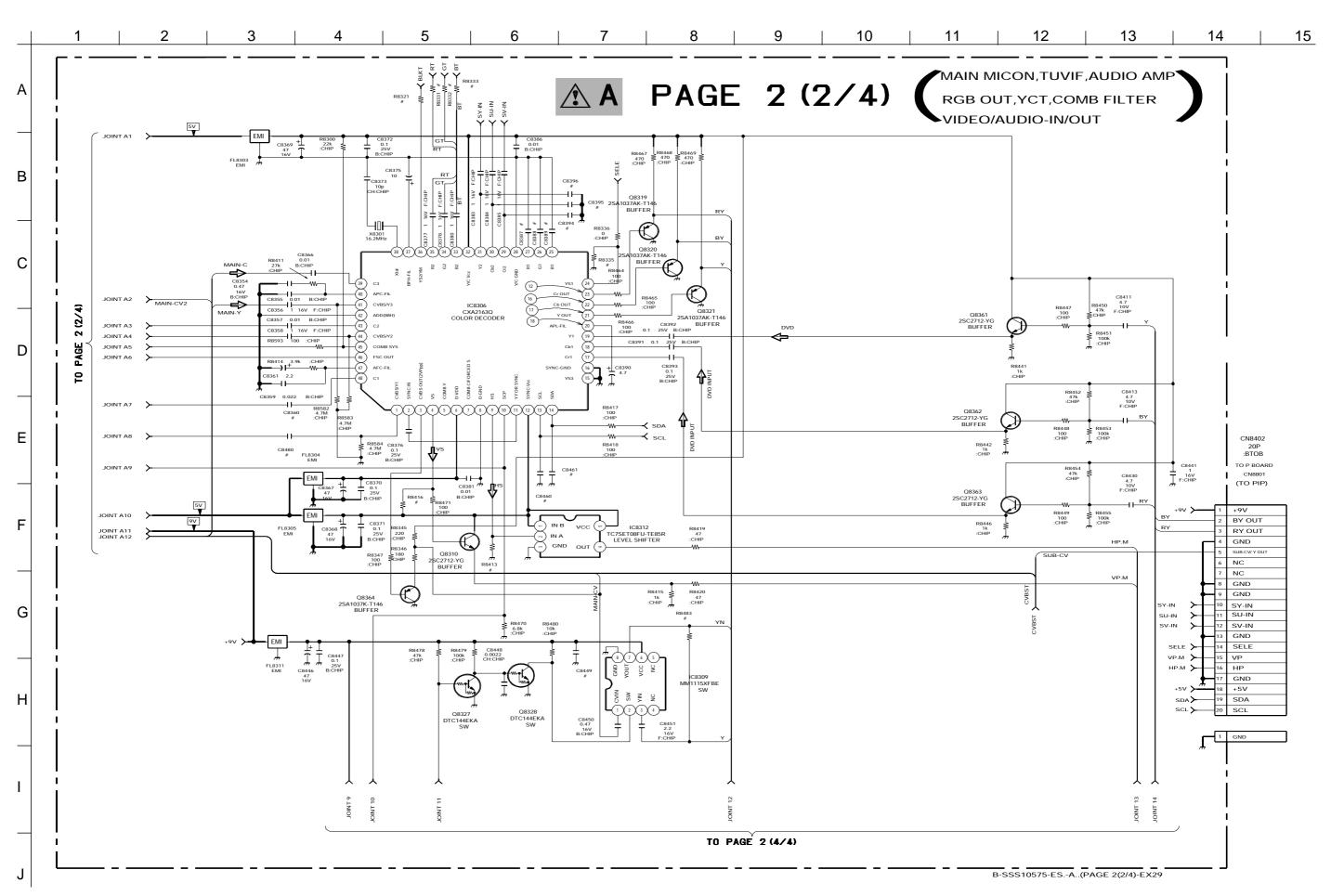


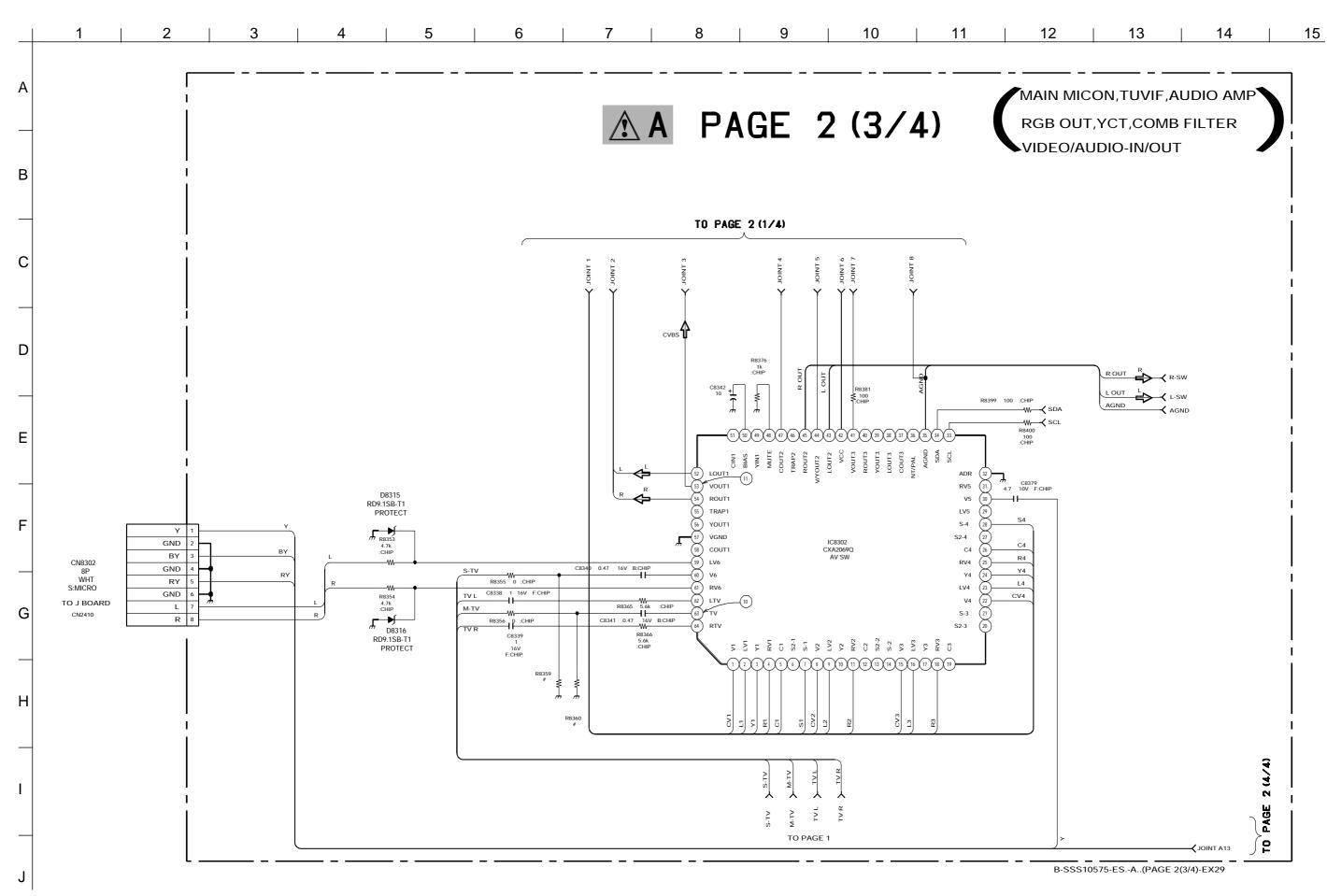


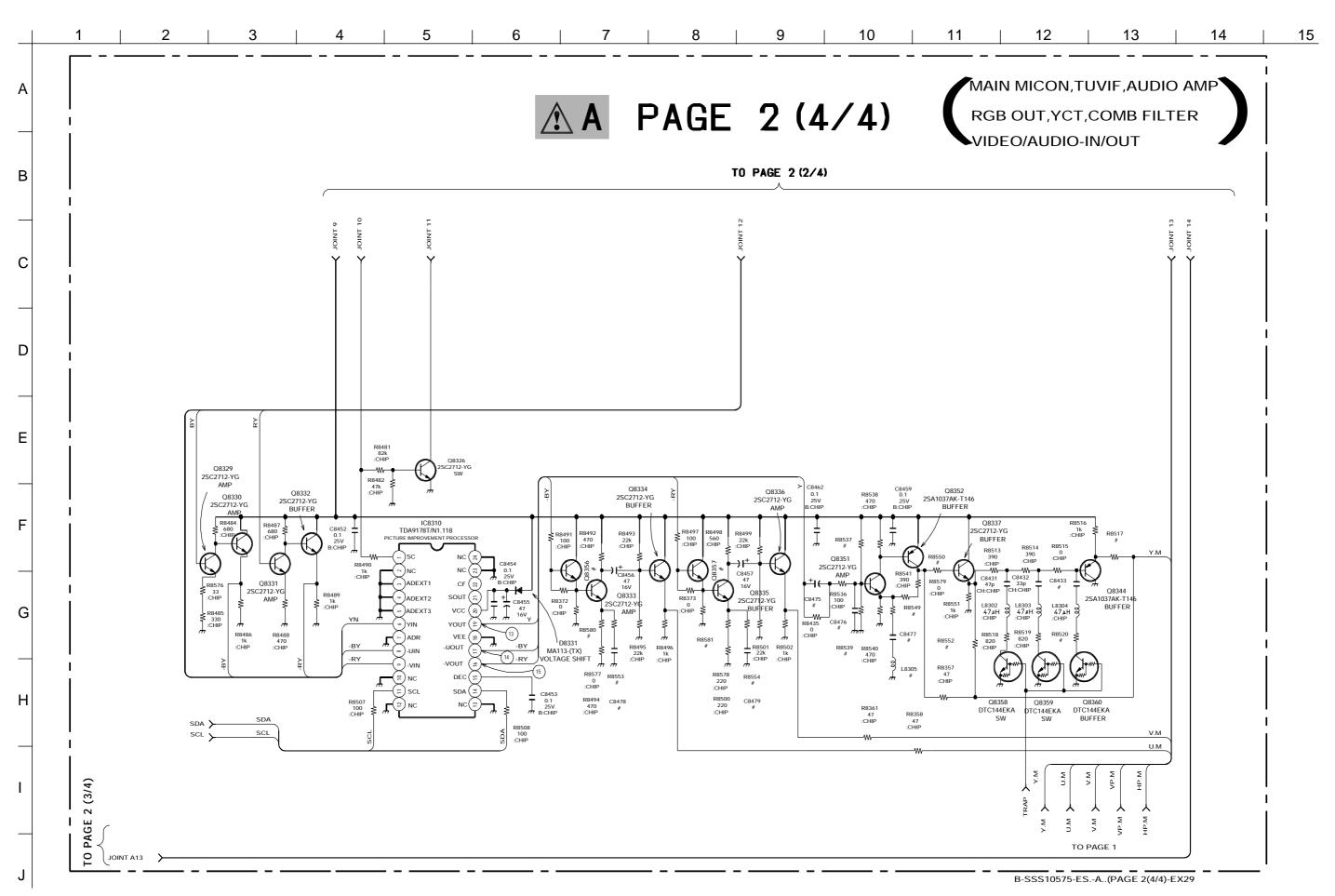


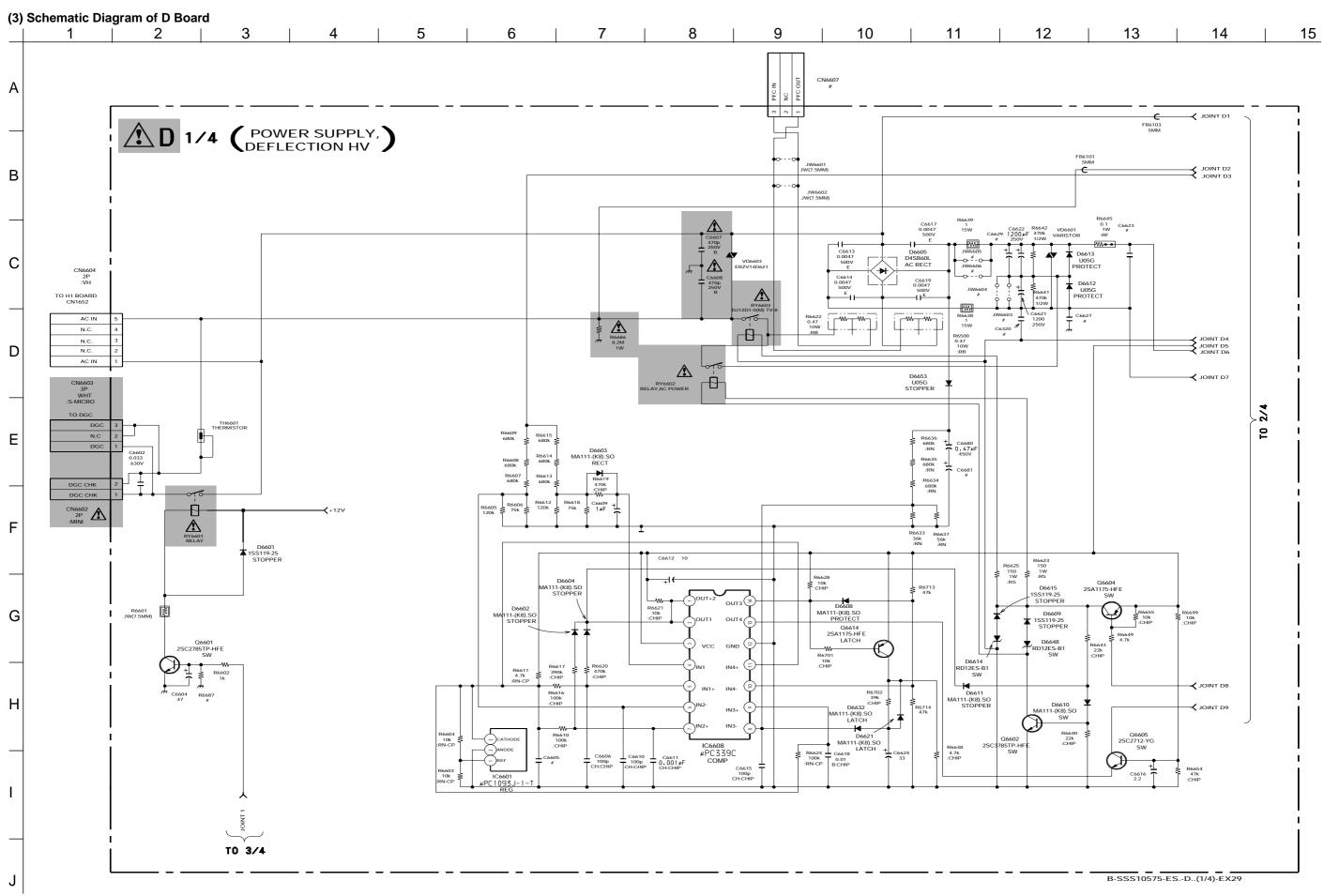


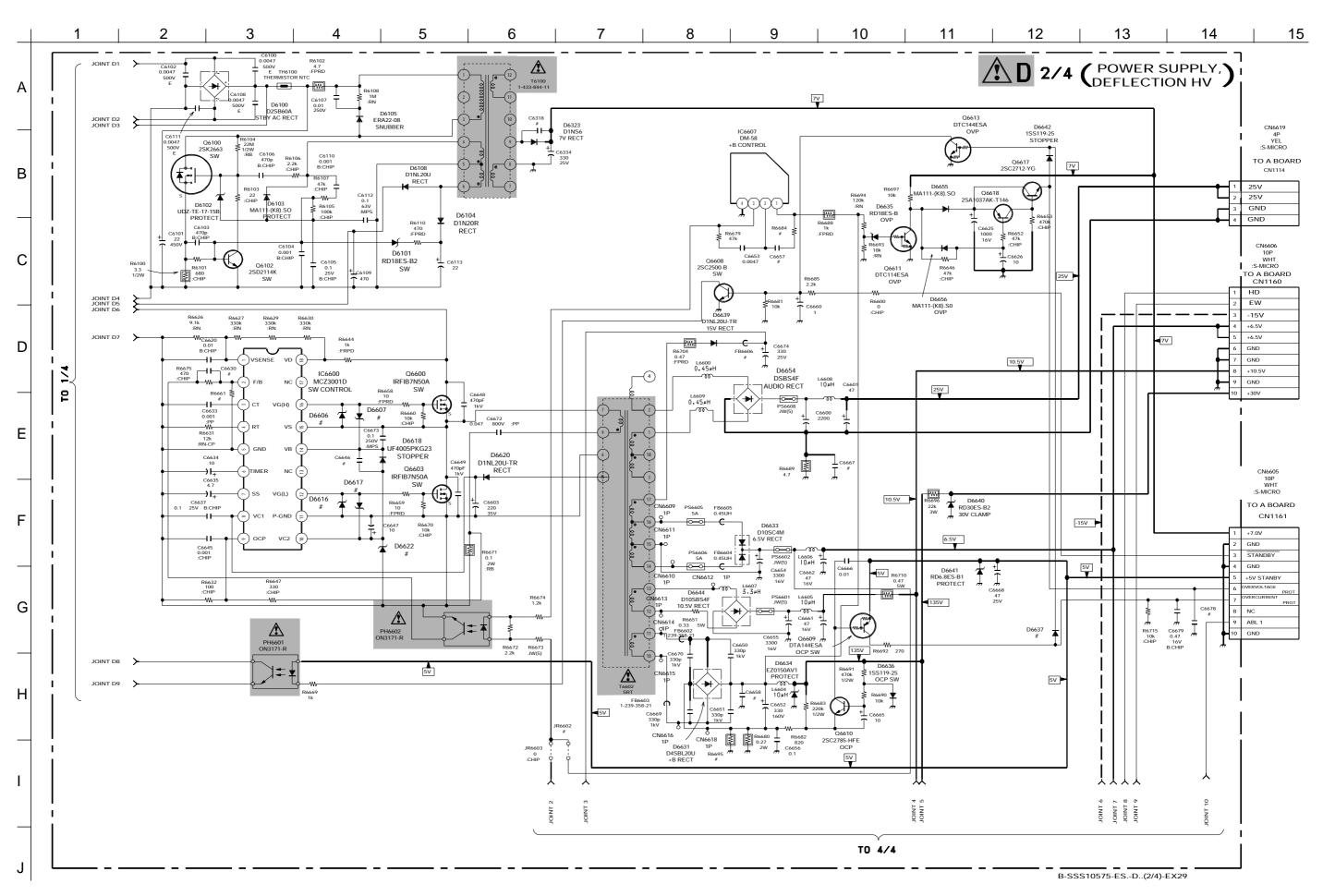


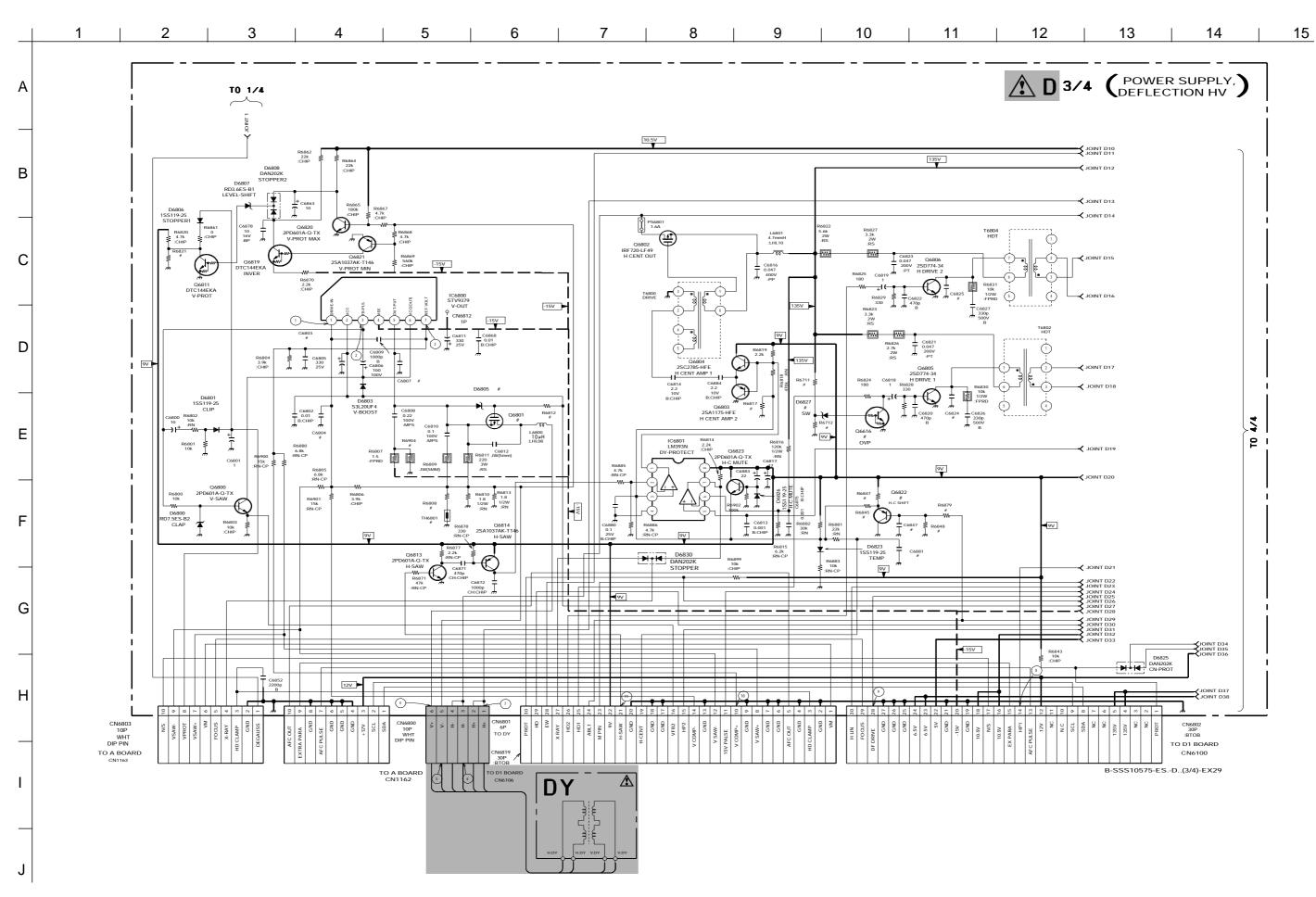


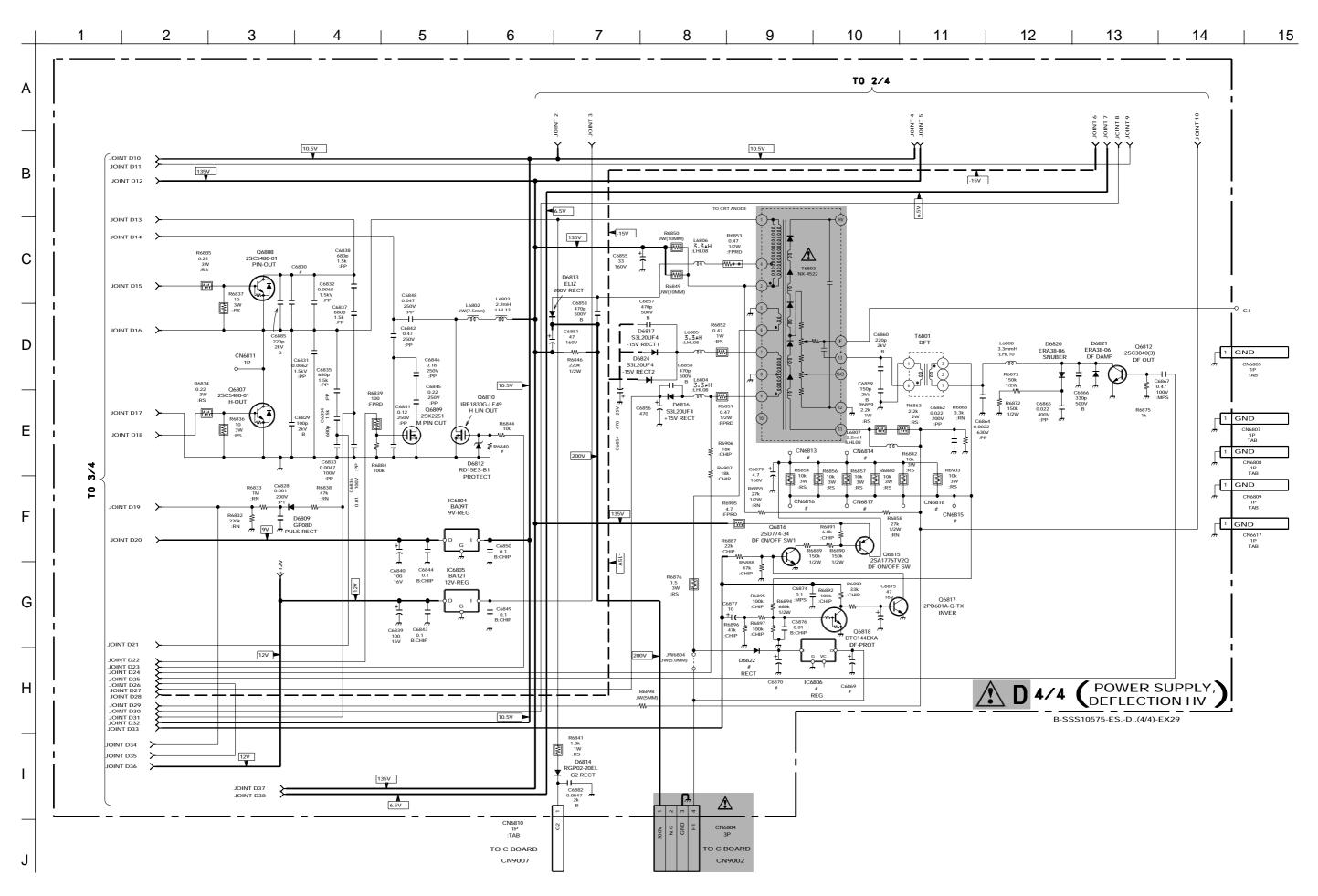


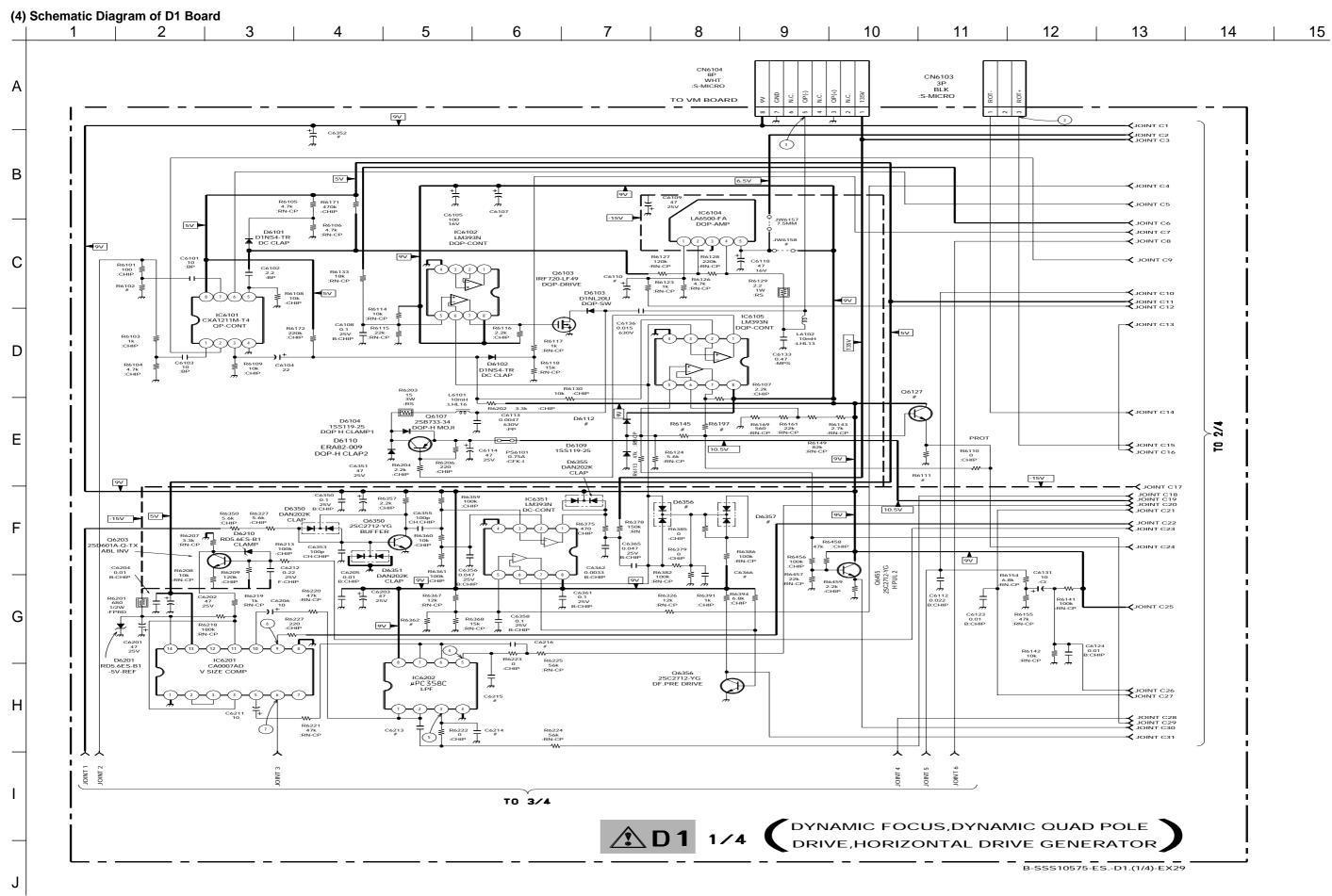


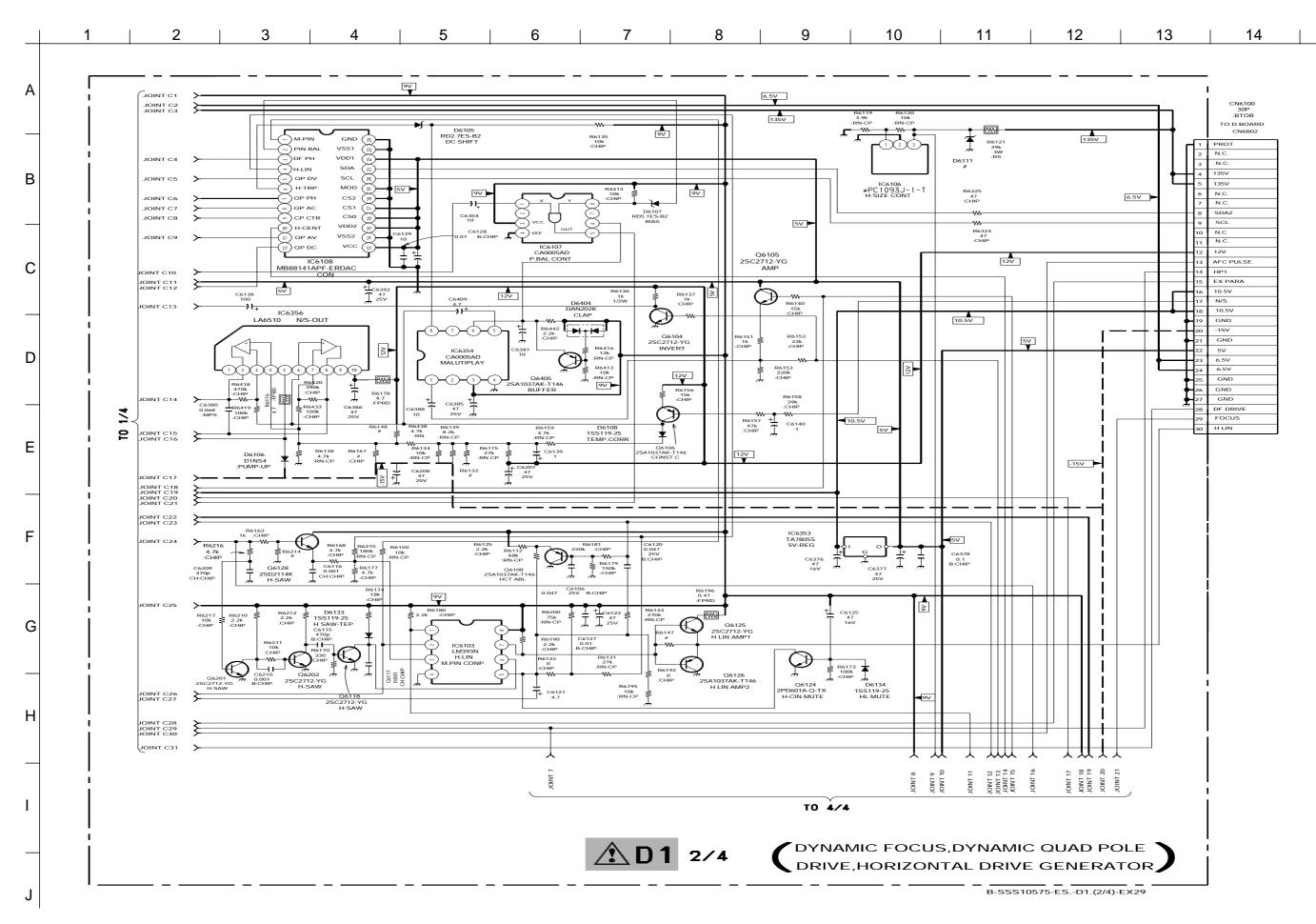




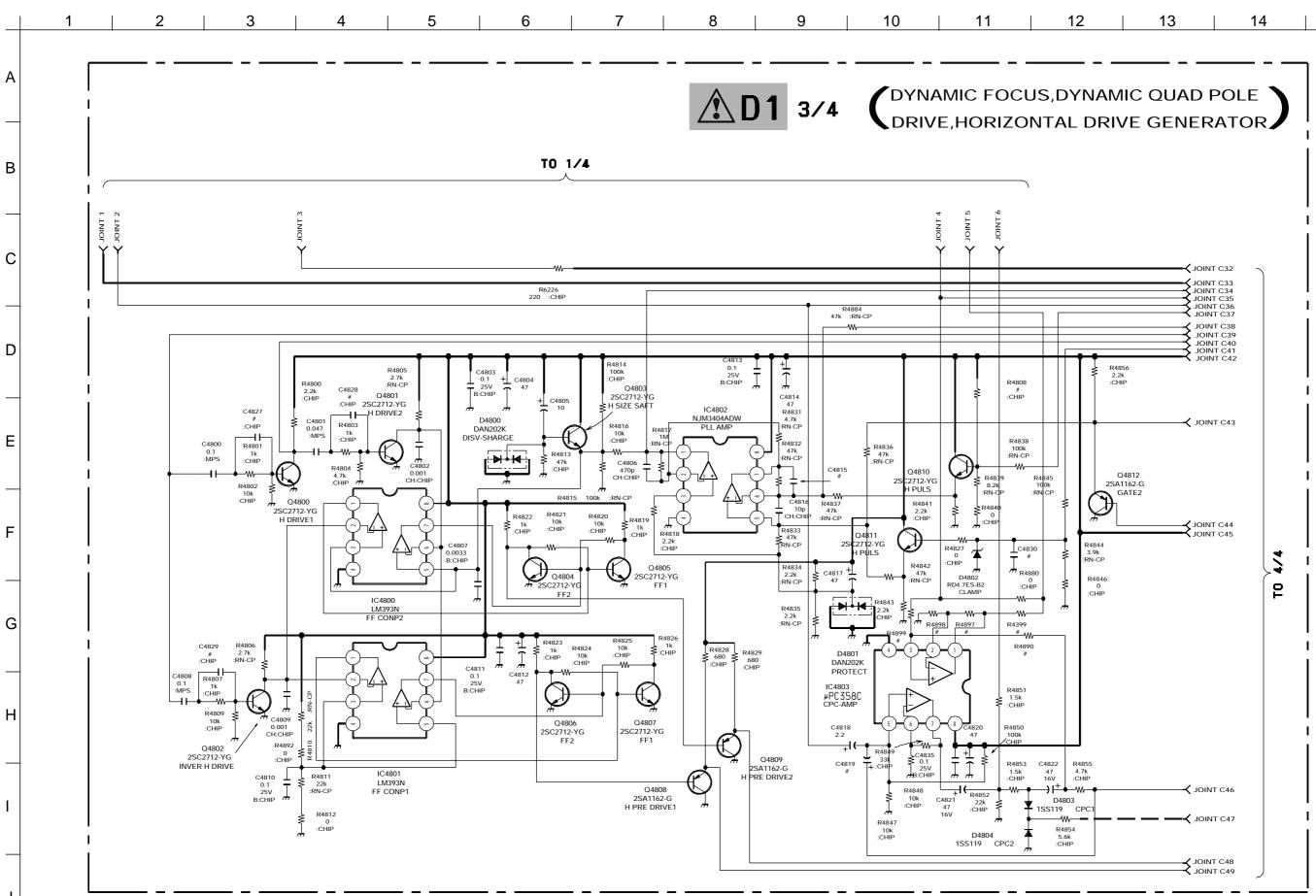




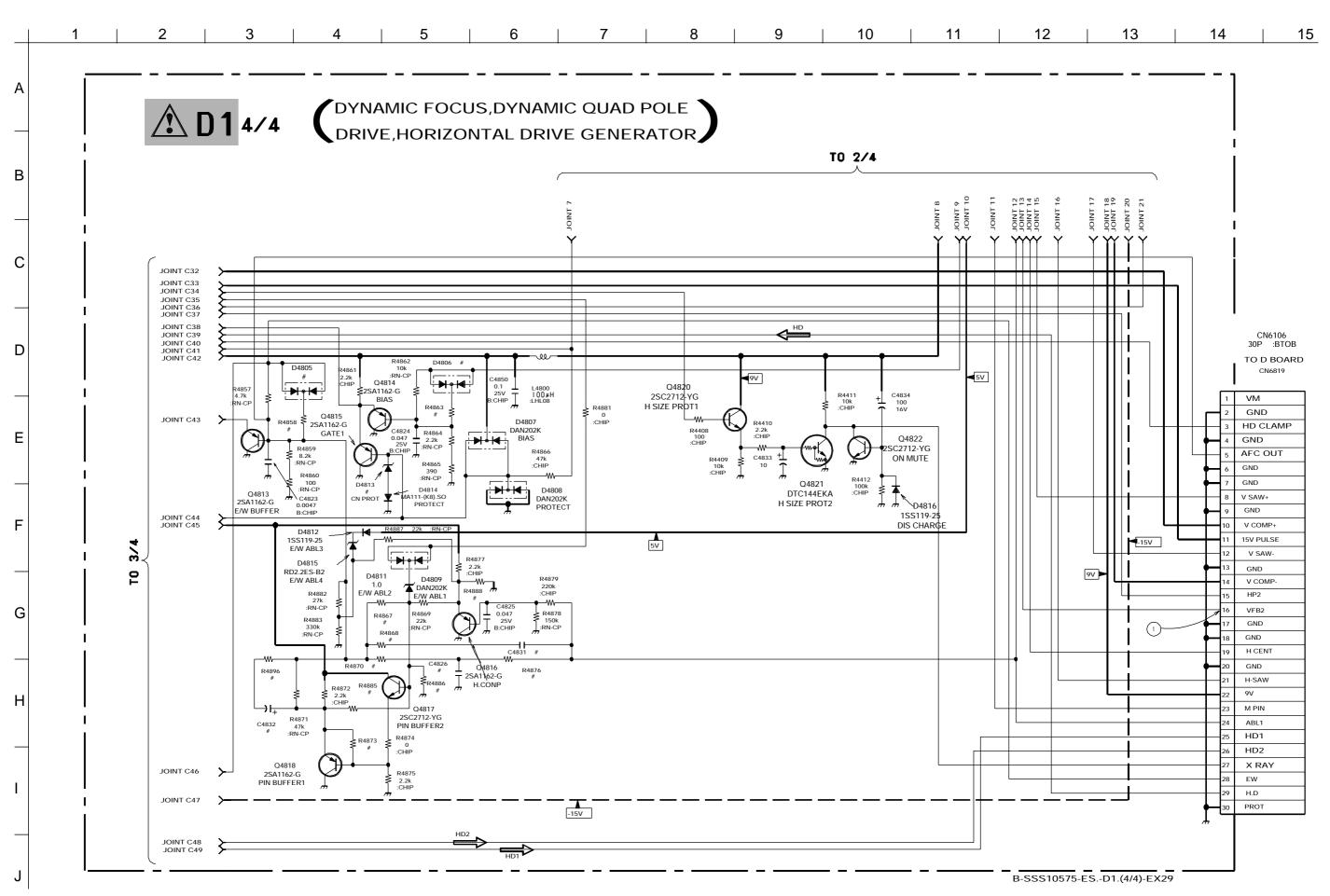




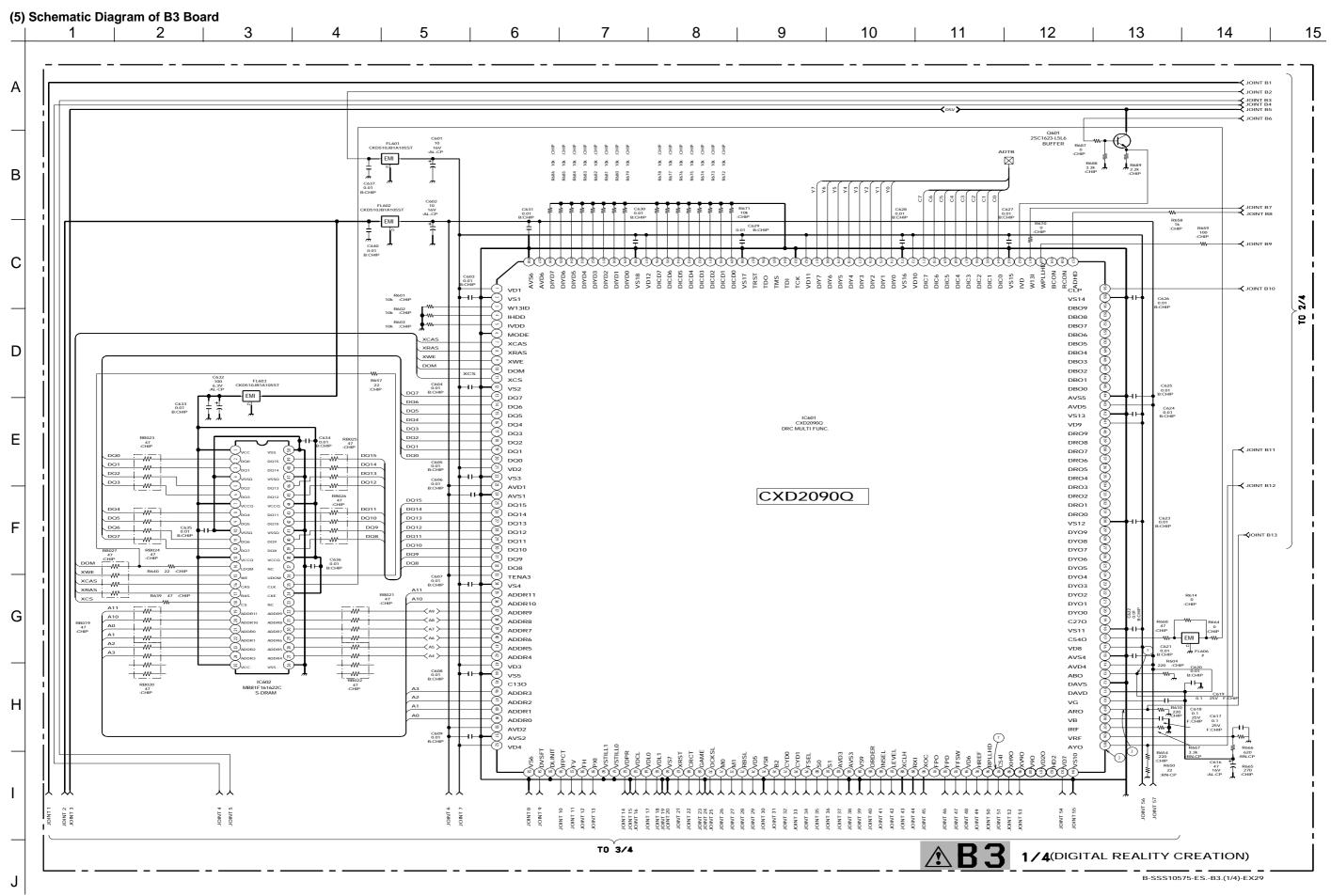
15

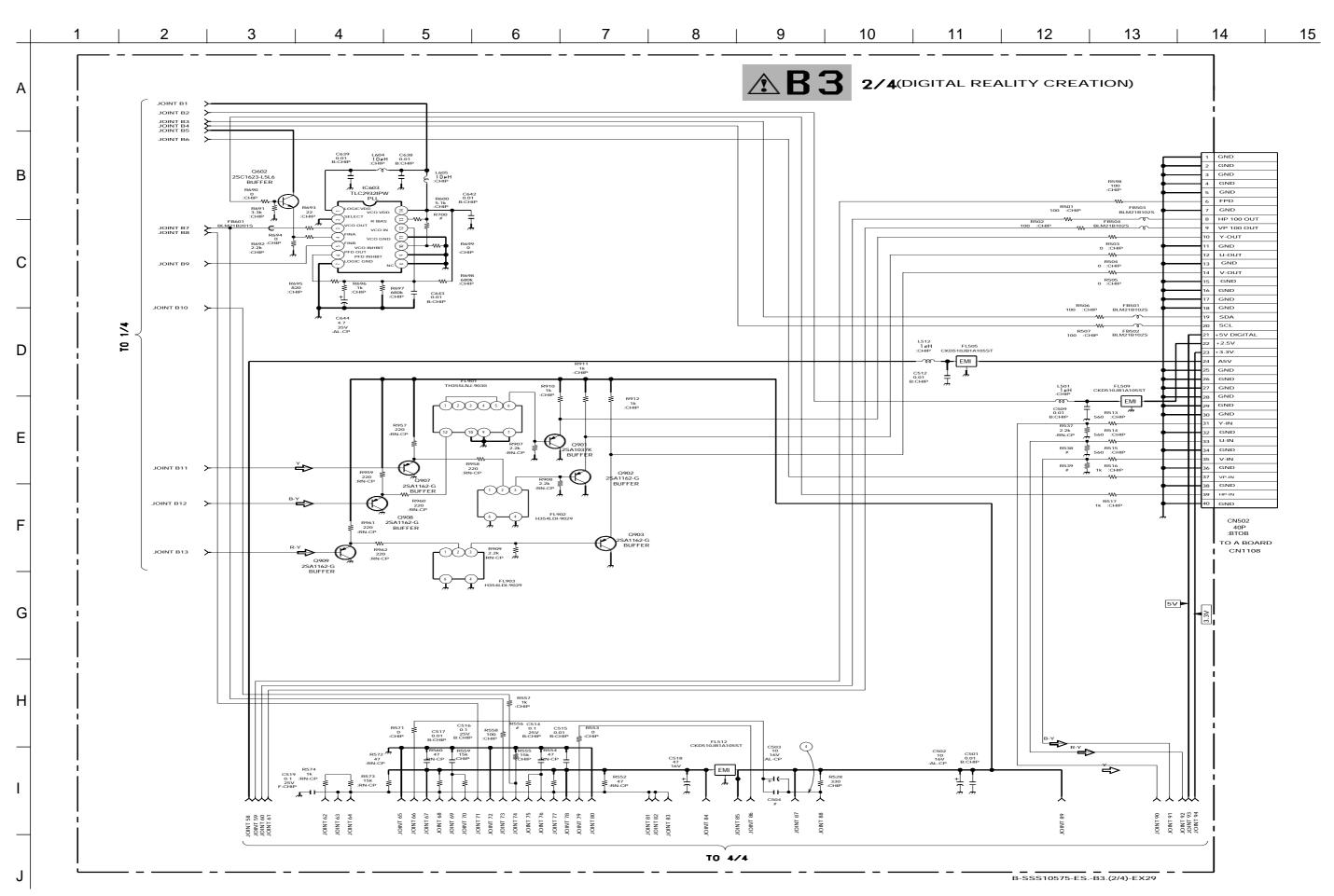


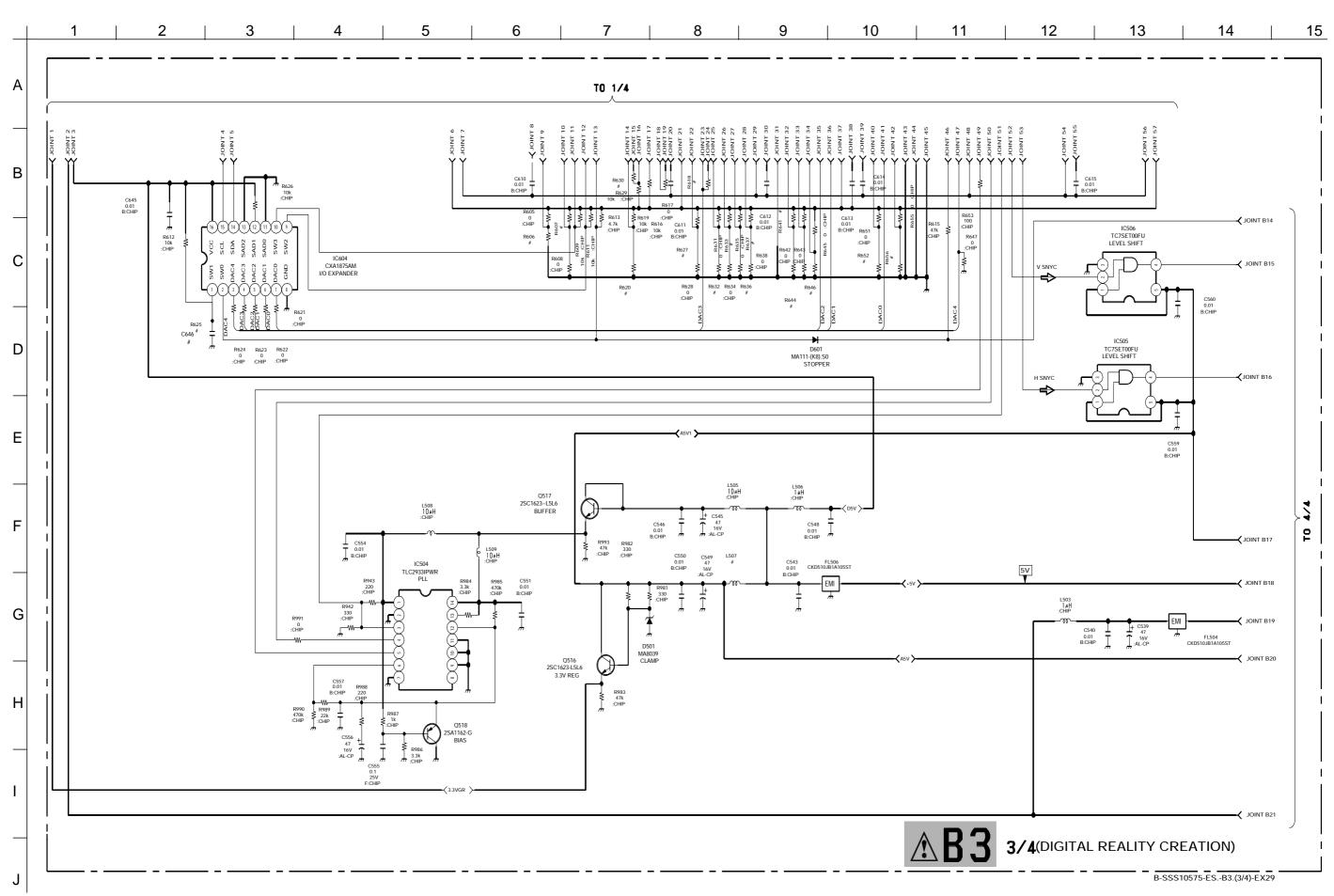
15

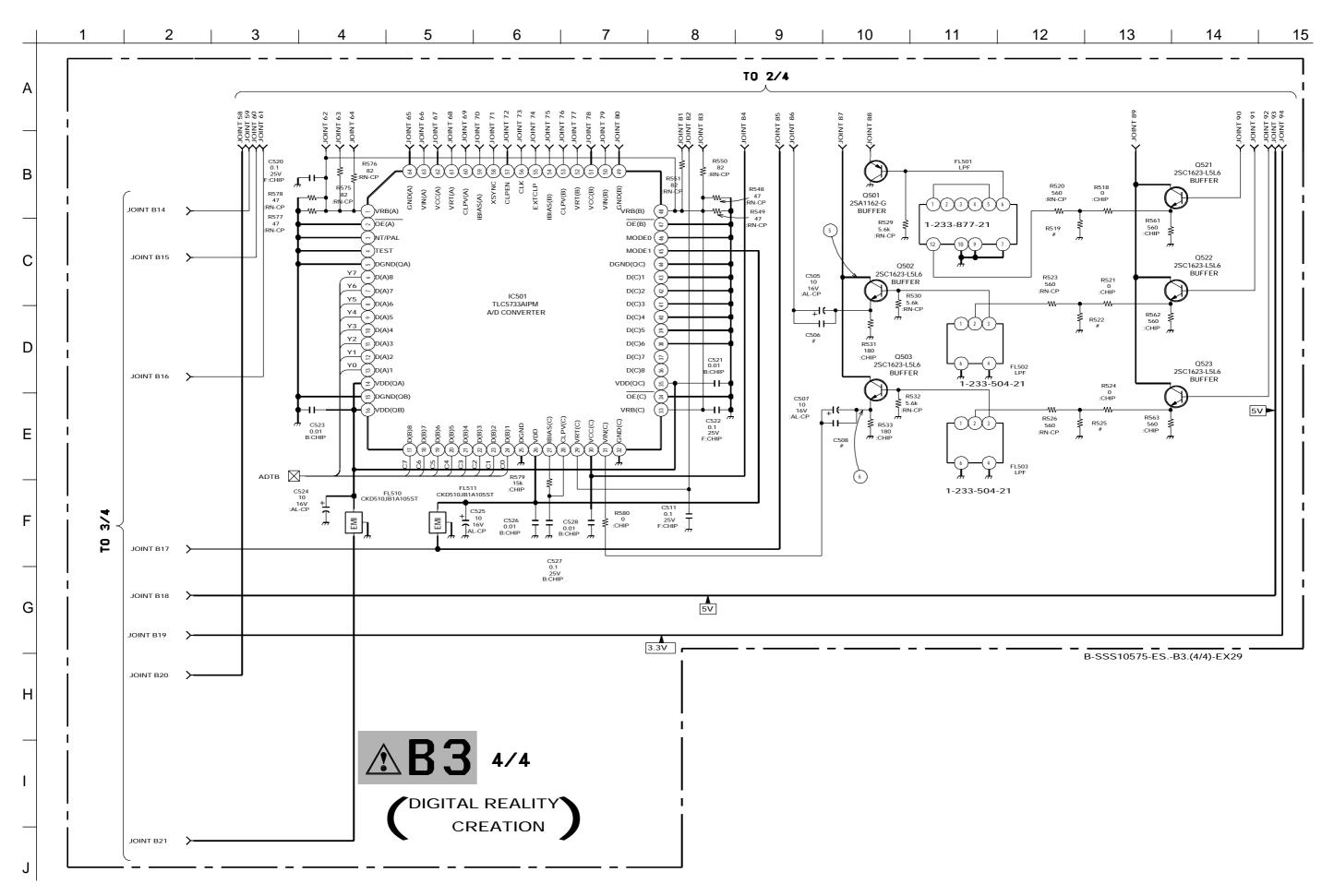


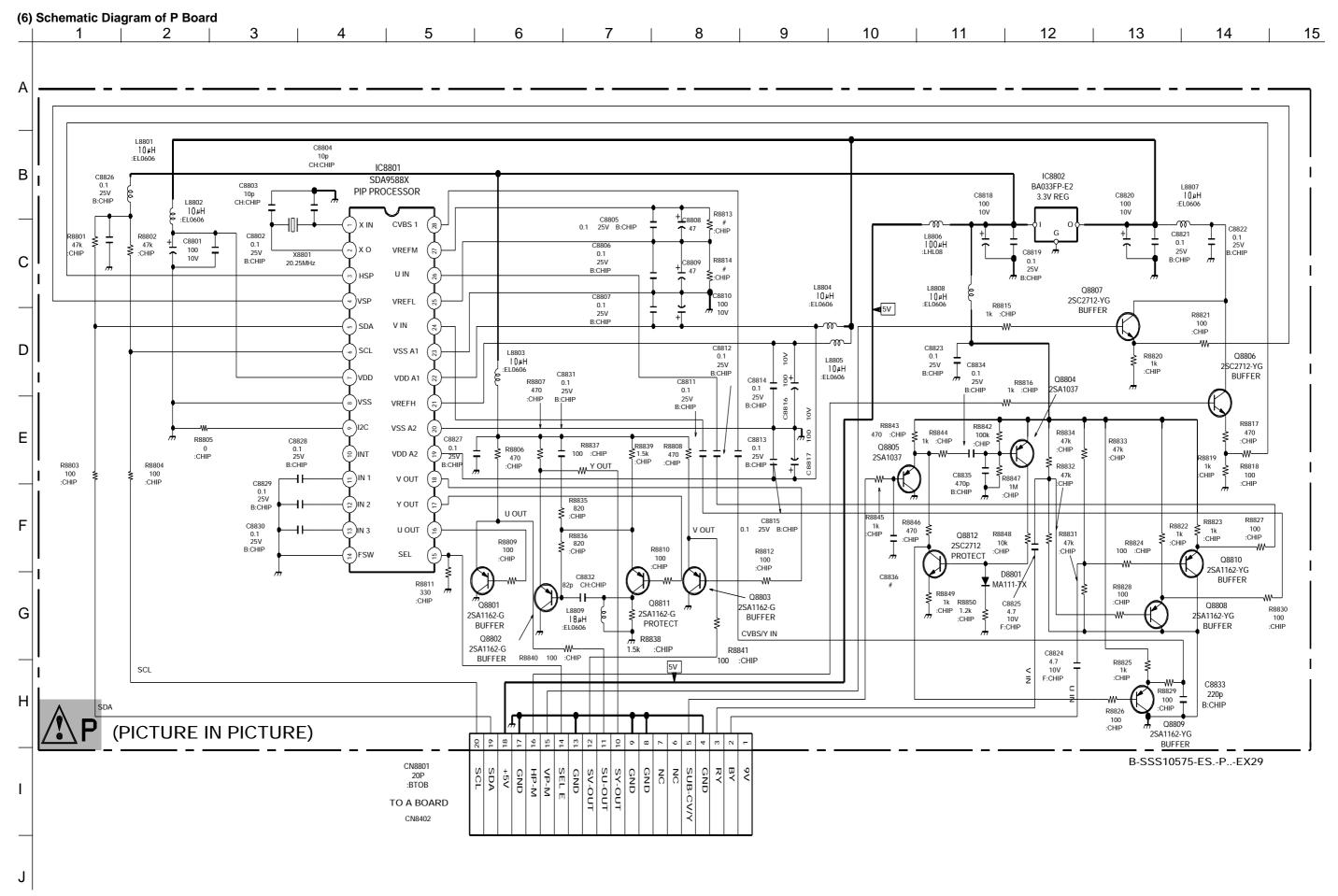
KV-EX29M69 KV-EX29M69 RM-963 RM-963

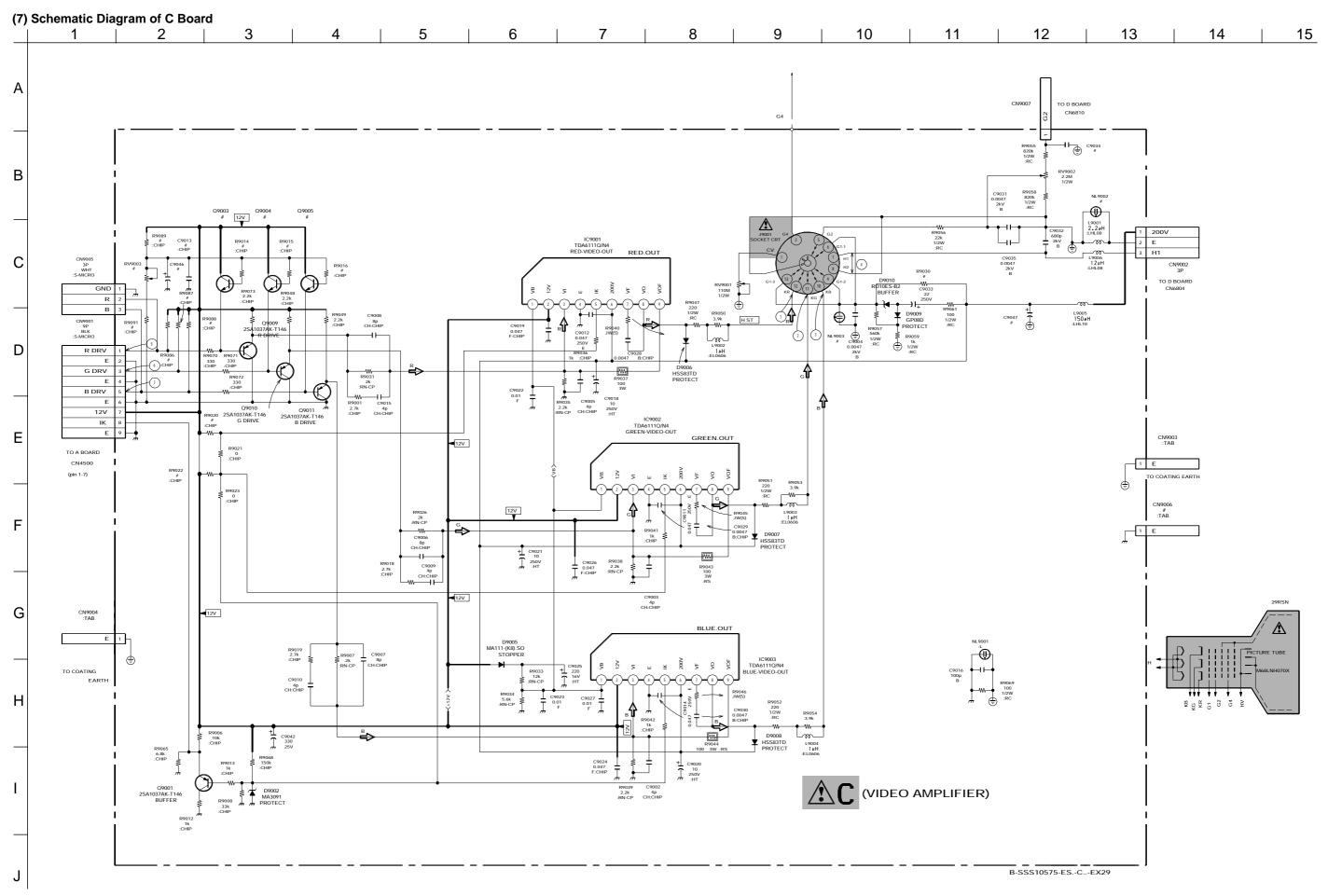


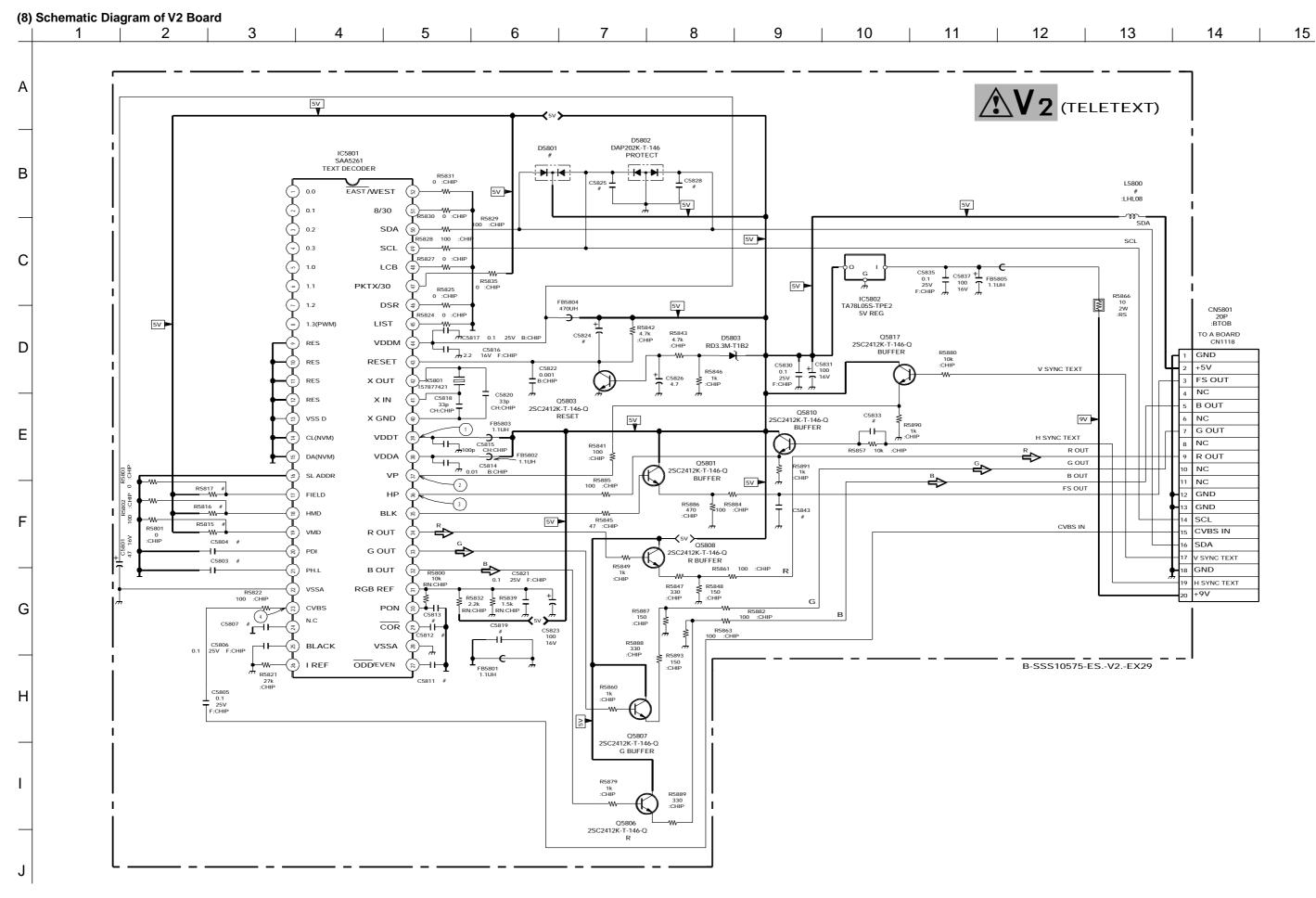


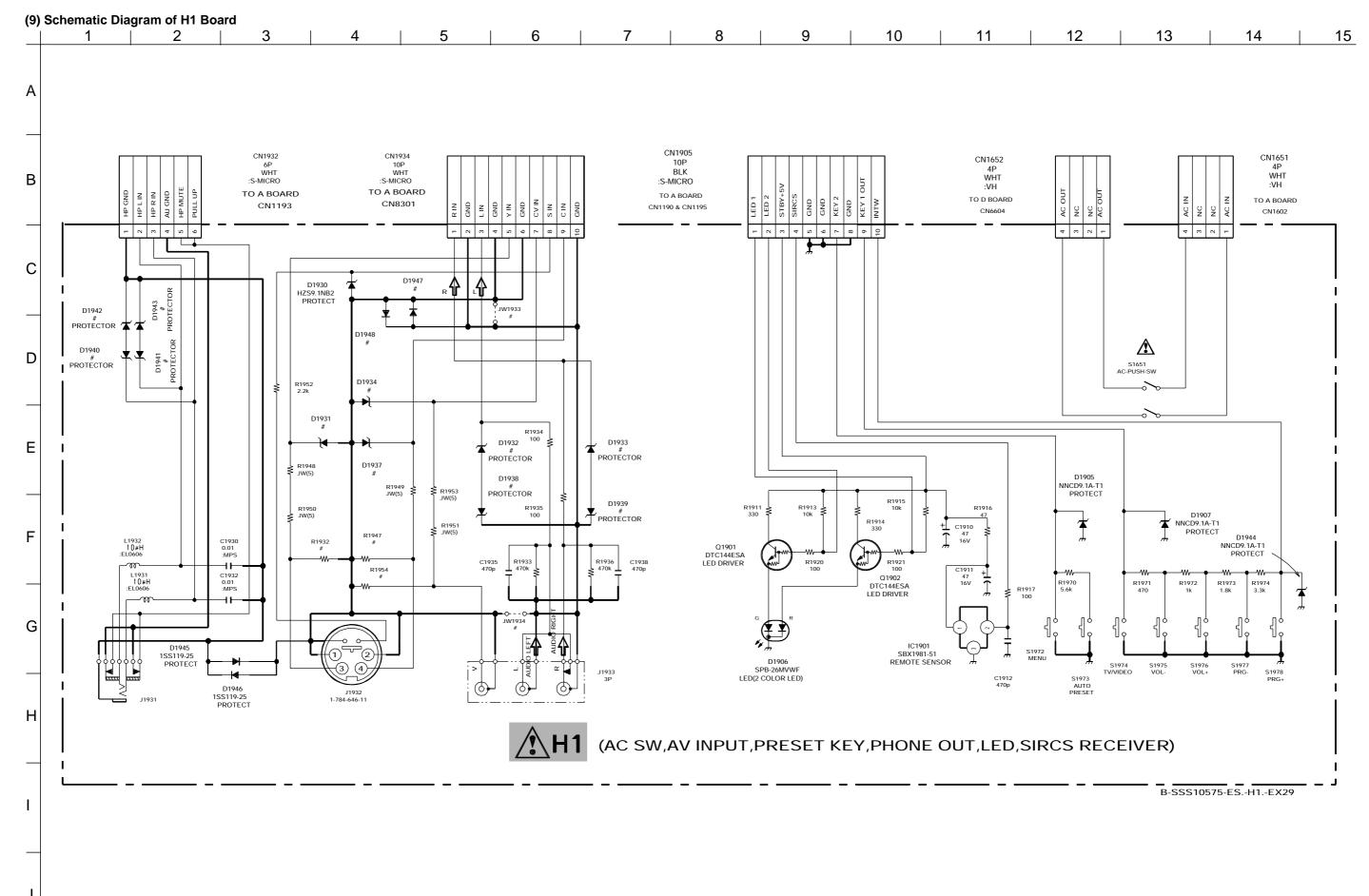












MEMO	

8-3. VOLTAGE MEASUREMENTS

A (1/4) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
IC001	1	4.8	1101	62	4.4	1101	23	4.5
10001	2	0		63	0.4		24	4.5
	3	0		64	4.8		25	4.5
	4	0.8	IC002	1	0		26	4.5
	5	0.8	10002	2	4.9		27	4.5
	6	0.8		3	4.9		28	4.5
	7	0.4		l	7.0		29	0<[(4.5)]>
	8	0.4		4			30	3.2[0]
	9	4.9		5	4.9		31	4.5[3.3]
	10			6	0		32	
		0		7	0.9	TG1202		4.4
	11	2.2	IC003	1	0	IC1203	1	4.5
	12]<2.2>		2	0		2	0<(4.5)>
	13	4.9		3	0		3	4.5(0)
	14	4.9		4	0		4	0
	15	0.6<1.6>		5	4.9		5	4.5
	16	0.5<1.6>		6	4.9		6	4.5
	17	2.4		7	0		7	4.5
	18	1.0		8	4.9		8	9.0
	19	4.9	IC004	1	0	IC1204	1	0
	20	0		2	0		2	0
	21	0		3	4.9(0)		3	27.5
	22	4.9		4	0		4	0
	23	0		5	0		5	0
	24	0.5<1.6>		6	4.9		6	0.6[3.5]
	25	0		7	0		7	13.6
	26	0		8	0<(4.9)>		8	1.4(0.1)[3.5]<0.9>
	27	4.9	IC100	1	4.9		9	0
	28	0		2	4.9		10	28.3
	29	4.8		3	0		11	13.2
	30	4.9	IC1200	1	4.5		12	13.4
	31	4.9		2	4.5	IC1205	1	4.5
	32	0		3	4.5		2	4.5
	33	0		4	0		3	4.5
	34	0		5	4.5[4.9]		4	4.5
	35	4.9		6	4.5		5	4.9
	36	0		6	4.5		6	0.4
	37	0		7	4.5[0]		7	0
	38	2.5		8	9.0[0]		8	0.2
	39	2.5	IC1201	1	0		9	0.2
	40	4.7	101201	2	0(0.9)		10	0.2
	41	4.9		3	1.2[0]		11	0.2
	42	0		4	4.5		12	0.2[0]
	43	0.5<1.6>		5	4.5		13	4.9
	44	0.6		6	4.5		14	9.0
	45	0		7	4.5	IC1206	1	*
	46	0		8	4.5		2	*
	47	4.9		9	4.5		3	*
	48	4.7		10	4.5		4	*
	49	4.9		11	4.5		5	*
	50	4.6		12	4.5		6	*
	51	0		13	0.6[0]		7	*
	52	2.6		14	2.5		8	*
	53	0		15	9.0[0.2]		9	4.5
	54	4.5<0>		16	4.6		10	4.5
	55	0.1		17	4.6		11	4.5
	56	0		18	2.8		12	4.5
	57	0		19	0.6[0]		13	4.5
	58	0		20	4.5		14	4.5
	59	0		20 21	4.5		15	4.5
	60	0		22	4.5		16	4.5
	61	0			4.3			1.5
		<u> </u>	1	ı	1	1		1

A (2/4) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
IC1207	1	0		10	0.4		6	0.1
	2	0		11	1.8		7	5.0
	3	0		12	0<(9.1)>		8	4.0
	4	0.1		13	1.0		9	4.5
	5	0		14	5.1		10	0<(4.2)>
	6	0		15	2.6		11	0.3
	7	0		16	0		12	4.4
	8	0		17	3.5		13	0.1
	9	0		18 19	2.7		14	5.0
	10	0		20	4.2 0		15 16	4.0 4.5
	11 12	0 0		20 21	0<(6.3)>		17	4.3
	13	0		22	1.7		18	4.5
	14	0		23	6.5<(0)>		19	4.4
	15	0		24	0.5 <(0)>		20	0.1
IC2200	1	4.5	1	25	0		21	0<(5.0)>
102200	2	4.5		26	2.4		22	4.0
	3	4.3		27	3.3		23	4.5
	4	0		28	2.6		24	4.0
	5	4.2[0]		29	2.6		25	4.5
	6	0<4.5>		30	2.4		26	4.4
	7	4.6		31	3.3		27	0.1
	8	9.1		32	9.1		28	5.0
IC2300	1	0.9		33	0		29	4.5
	2	2		34	4.8		30	0<(4.5)>
	3	1.3		35	4.8		31	4.5
	4	0		36	4.8		32	0
	5	4.9		37	9.1 0		33	4.6
	6	4.9		38 39	0<(4.3)>		34 35	4.6 0
	7	1.5		40	4.3		36	0
	8	0		41	4.3		37	4.4
	9 10	0.6		42	0		38	4.5
	10	3.6<0> 0<4.9>		43	0		39	3.8
	12	1.4		44	0		40	4.5
	13	0		45	0<(6.6)>		41	4.5
	14	1.5		46	0<(9.1)>		42	9.0
	15	0		47	9.1		43	4.5
	16	1.5		48	6.0		44	4.3
IC2600	I	13.0	1	49	2.6		45	4.5
	G	9.1		50	4.1		46	3.8
	O	0		51	0		47	0<(4.4)>
IC2601	I	7.5	İ	52	0		48	0
	G	0		53	6.0		49	4.2
	O	5.0		54	6.0		50	4.5
IC2603	I	7.3		55 56	0		51	4.4
	G	0		56 57	6.0 6.0		52 53	4.5 4.5
	O	3.3		58	6.0		54	4.5 4.5
IC2604	1	1.2		58 59	0.4		55	4.5 0<(3.8)>
	2	2.6		60	0.4		56	3.2
	3	4.8		61	4.6		57	0
IC4301	1	4.0		62	0<(4.6)>		58	0<(4.3)>
	2	0		63	4.4		59	4.5
	3	4.4		64	3.6		60	4.2
	4	4.7	IC8302	1	4.4	1	61	4.5
	5	3.5		2	4.5		62	4.5
	6	3.4(0)		3	4.0		63	4.3
	7	7.6		4	0<(4.5)>		64	4.5
	8 9	0 0		5	4.4			
	7	"						

A (3/4) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
C8305	I	13.1		3	0	Q1204	D	0
	G	0		4	0		G	0
	0	9.1		5	0		S	0
C8306	1	0(2.2)		6	2.0	Q1205	В	0<5.5>
	2	0.1<(1.9)>		7	0		C	0<9.0>
	3	0<(1.6)>		8	5.0		Е	0<(4.9)>
	4	0.1		9	5.85	Q1206	В	2.9
	5	2.6		10	0		C	5.5[(0)]
	6	4.9		11	4.6		E	2.3[0]
	7	2.6		12	0	Q1207	В	28.0
	8	0		13	0		C	0
	9	0.3		14	4.6		E	18.1
	10	0.9		15	5.1	Q1208	В	0
	11	2.5		16	2.5		C	13.2
	12	4.9		17	2.5		E	0
	13	4.6		18	0	Q1209	В	0
	14	4.6		19	2.9		C	13.2
	15	0		20	8.2		E	0
	16	0		21	2.5	Q1210	В	0
	17	2.5		22	0.2		C	13.4[0]
	18	2.5		23	0		E	0
	19	1.4		24	0	Q1211	В	9.0
	20	2.3	IC8312	1	4.9		C	0
	21	1.8		2	0.3		E	9.0
	22	1.8		3	0	Q1215	В	0
	23	0<(1.8)>		4	0	Q1210	C	0<(9.0)>
	24	0.1		5	4.9		Ē	0
	25	0<(1.9)>	Q001	В	4.9	Q2200	В	0
	26	0<(1.9)>		C	0	Q2200	C	0
	27	0<(1.9)>		Е	0.6		E	0
	28	0	Q002	В	0	Q2201	В	0
	29	0(2.0)		C	4.9	Q2201	C	0
	30	0(2.0)<1.6>		Е	0		E	0
	31	0(1.2)	Q003	В	0.4	Q2304	В	3.6<0>
	32	0.1<(4.9)>		C	4.9	Q2304		
	33	0.1<(2.5)>		E	0.3		C	0<4.9>
	34	0<(2.5)>	Q004	В	0.1	02205	Е	0
	35	0 <(2.50>		C	0	Q2305	В	2.3<3.1>
	36	0		E	0		C	4.9
	37	0<(1.1)>	Q005	В	1.6		E	1.5<2.3>
	38	3.9		C	0	Q2306	В	0.8
	39	1.8		E	2.2		C	0
	40	3.3	Q006	В	1.8		E	1.5
	41	0<(2.3)>	2000	C	0	Q3300	В	4.6[0]
	42	0		E	2.4		C	0
	43	0	Q007	В	1.8		Е	4.6
	44	0<(2.3)>	2007	C	0	Q4300	В	6.2
	45	3.6		E	2.4		C	9.1
	46	2.3	Q101	В	2.8[0]		Е	5.5[0]
	47	0<(3.6)>	\ \(\text{\lambda}_{101} \)	C	2.8[0] 0	Q4301	В	-11.9
	48	1.7	1	E	3.4		C	1.7
28309	1	3.0	0201				E	-11.7
	2	5.3	Q301	В	0<(12.9)>	Q4302	В	0
	3	2.8		C	0		C	11.7
	4	0	0215	Е	12.3	4	Ē	0.6[0]
	5	0	Q313	В	*	Q4303	В	0.3[0]
	6	9.0		C	*	2.505	C	1.6[3.2]
	7	2.0		Е	*	_	E	0
	8	0	Q1203	В	0	Q4304	В	7.1
	0							, , , ,
C8310	1	0.8		C E	5.0 0.2<[0]>		C	9.1

A (4/4) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
Q4307	В	2.8[0]	Q4826	В	*	Q8331	В	2.4
	C	0[4.5]		C	*		C	6.4
	Е	0		Е	[Е	1.8
Q4308	В	2.5	Q8301	В	4.5	Q8332	В	6.4
	C	0		C	0		С	9.0
	E	3.2		Е	5.2		Е	5.8
Q4310	В	2.4	Q8302	В	4.4	Q8333	В	2.5
	C	0		C	9.0		С	7.1<6.7>
	E	0<(3.1)>		Е	3.8		Е	1.9
Q4311	В	5.5	Q8303	В	4.4	Q8334	В	4.4
	C	0		C	9.0		С	9.0
	E	6.2		Е	3.7		E	3.8
Q4312	В	8.0	Q8304	В	4.4	Q8335	В	2.5
`	C	1.4		C	9.0			7.1[(6.7)]
	E	8.6		Е	3.8		C E	1.9
Q4313	В	*	Q8306	В	4.2	Q8336	В	4.4
	C	*		C	9.0		C	9.0
	E	*		E	3.6		E	3.8
Q4314	В	0.9	Q8308	В	3.8	Q8337	В	0
(C	0	20000	C	9.0	2000	C	9.0
	Ē	1.6		E	3.1		E	0
Q4315	В	3.2<3.5>	Q8309	В	4.4	Q8344	В	0
Q.010	C	0	Que	C	9.0	200	C	0
	E	0		E	3.8		E	0.7
Q4316	В	3.0[2.5]	Q8310	В	0.1	Q8351	В	2.9
Q 1310	C	4.5[0]	20310	C	4.9	Q0551	C	8.4
	E	3.2		E	0.1[0]		E	2.3
Q4317	В	0[3.1]	Q8319	В	0<(1.8)>	Q8352	В	8.4
Q.017	C	4.5	2001)	C	0	20002	C	3.7
	E	0[3.2]		E	2.4		E	9.0
Q4319	В	6.5	Q8320	В	1.8	Q8358	В	0
Q 1317	C	1.9	Q0320	C	0	Q0330	C	0
	E	7.1		E	2.4		E	0
Q4320	В	1.6	Q8321	В	1.7	Q8359	В	0
Q-1320	C	0	Q0321	C	0	Q0337	C	0
	E	2.2		E	2.3		E	0
Q4321	В	1.8	Q8326	В	0.2	Q8360	В	0
Q+321	C	0	Q0320	C	3.4	20300	C	0
	E	2.4		E	0		E	0
Q4322	В	1.8	Q8327	В	3.5	Q8361	В	3.0
Q+322	C	0	Q0321	C	0.2	Q0501	C	4.9
	E	2.4		E	0.2		E	2.4
Q4823	В	1.1	Q8328	В	0.2	Q8362	В	3.0
Q-023	C	0	Q0320	C	5.3	Q0302	C	4.9
	E	1.7		E	0		E	2.4
Q4824	В	*	Q8329	В	2.4	Q8363	В	3.0
Q4024	C	* *	Q0329	C	5.6	Q0303	С	5.0
	E	*		E E	1.8		E	2.4
04925		0<-1.0>	00220			Q8364	В	1.6
Q4825	В		Q8330	В	5.6 9.0	20307	C	0
	C	9.1<(0)>		C			E	2.2
	E	0.8<(0)>		Е	5.0		"	2.2

D BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
IC6600	1	2.7	IC6804	I	11.1	Q6800	В	-0.5
	2	1.9		G	0		C	13.9
	3	2.2		O	9.0		E	0.9
	4	2.5	IC6805	I	14.0	Q6803	В	7.0
	5	0		G	0		C	0
	6	0		О	11.9		E	7.0
	7	4.6	IC6806	I	*	Q6804	В	8.0
	8	17.8		G	*		C	9.0
	9	0.01		O	*		Е	8.0
	10	10.4		VC	*	Q6805	В	-0.3
	11	0	Q6100	D	302		С	68.0
	12	4.8		G	0.9		E	0
	13	*		S	0	Q6806	В	-0.3
	14	139	Q6102	В	0.4	7 2000	C	59.0
	15	129	Q0102	C	1.0		E	0
	16	133		E	0	Q6809	D	20.0
	17	*	Q6600	D	297.0	7 2000)	G	2.7
	18	294	_ 20000	G	134.0		S	0
C6601	1	2.4		S	130.0	Q6810	D	135.8
	2	0	Q6601	В	-0.02	- C	G	1.7
	3	5.0	20001	C	12.0		S	0
IC6607	1	134.0		E	0	Q6811	В	0
	2	2.5	Q6602	В	0.3	- 20011	C	9.0
	3	8.8	Q0002	C	18.0		E	0
	4	0		E	0	Q6812	В	-0.8
IC6608	1	0.04	Q6603	D	131.0	- Q0012	C	81.0
	2	0.04	Q0003	G	4.8		E	0
	3	18		S	0	Q6813	В	0.4
	4	7.0	06604			$ Q_{0013}$	C	6.4
	5	4.2	Q6604	В	16.9		E	0.4
	6	7.0		С	17.6	Q6814	В	9.1
	7	4.1	0.660.5	Е	17.7	$ Q_{0014}$	C	3.0
	8	3.2	Q6605	В	0.8		E	9.0
	9	5.0		С	0.13	06915	В	
	10	8.8		Е	0.12	Q6815		134.5
	11	5.0	Q6608	В	0.6		C E	134.1 135.0
	12	0		С	0	0.01.0		
	13	0.11		Е	0	Q6816	В	0.6
	14	18	Q6609	В	4.9		С	0
IC6800	1	1.1		С	0	0.1015	Е	0
	2	13.5	0.6610	Е	5.0	Q6817	В	0
	3	-13.6	Q6610	В	0.5		С	0.5
	4	-15		С	4.9		E	0
	5	0.4		Е	0.2	Q6818	В	3.0
	6	14.0	Q6611	В	0.4		С	0
	7	1.1		С	7.1		Е	0
IC6801	1	8.0	0.6612	Е	0	Q6819	В	-9.0
	2	1.5	Q6613	В			C	-9.4
	3	3.1		С	0.6		Е	-12.9
	4	0	0.551	Е	0	Q6820	В	0.2
	5	3.8	Q6614	В	17.6		C	0.3
	6	6.6		С	0		Е	0
	7	0.2		Е	17.7	Q6821	В	0
	8	9.0	Q6617	В	0		C	-10.9
				С	7.0		E	0
				Е	0	Q6823	В	0
			Q6618	В	7.0	'	C	8.9
				С	0		E	3.1
			i 1	Е	7.0	1 1		

D1 (1/2) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
IC4800	1	0.3		6	0.9		7	3.4
	2	4.4		7	2.0	70.071	8	9.0
	3	4.5	TC(10)	8	0.3	IC6351	1	5.2
	4	0 4.5	IC6106	1	2.5		2	4.4
	5 6	4.5 3.4		2 3	0 8.9		3 4	4.8 0
	7	0.4	IC6107			-	5	4.1
	8	9.0	100107	1	4.6 0		6	4.5
IC4801	1	0.3	\dashv	2 3	9.0		7	0.4
104001	2	4.4		4	0		8	9.0
	3	4.5		5	4.5	IC6353	I	11.0
	4	0		6	4.5	100333	G	0
	5	4.5		7	0		Ö	0
	6	3.1		8	6.5	IC6354	1	4.6
	7	0.4	IC6108	1	2.5		2	0
	8	9.0		2	2.6		3	9.0
IC4802	1	4.5	7	3	2.4		4	0
	2	4.5		4	0.8		5	4.5
	3	4.5		5	2.4		6	4.5
	4	0		6	1.4		7	0
	5	0.8		7	1.9		8	3.4
	6	0.7		8	2.8	IC6356	1	-2.8
	7	3.5		9	1.2		2	-6.3
	8	9.0		10	3.1		3	-3.0
IC6101	1	2.6		11	2.0		4	-3.3
	2	2.0		12	2.5		5	-15.0
	3	2.1		13	0		6	-3.5
	4 5	0 2.1		14	0		7	-3.0
	6	2.1		15	0		8	-4.0
	7	2.6		16 17	0		9	-4.1
	8	5.0		17	0 0	0.1000	10	11.7
IC6102	1	0	-	19	0	Q4800	В	1.2
10102	2	1.7		20	4.6		C E	3.3
	3	1.8		21	4.6	0.4004		0
	4	0		22	5.0	Q4801	В	0.6
	5	5.0		23	0		C E	5.6 0
	6	4.5		24	0	0.4000	В	
	7	4.5	IC6201	1	0	Q4802	С	1.3 4.4
	8	9.0		2	0		E	0
IC6103	1	2.9	7	3	0	Q4803	В	0
	2	1.6		4	-21.7	Q4803	C	8.9
	3	1.4		5	0		E	5.1
	4	0		6	0	Q4804	В	0.4
	5	1.1		7	0	V+004	C	3.8
	6	4.0		8	0		E	3.8 0
	7	1.2		9	0	Q4805	В	0.3
	8	9.0	_	10	0	Q-003	C	4.8
IC6104	1	2.0		11	2.17		E	0
	2	2.4		12	0	Q4806	В	0.4
	3	-15.4		13	5.0	27000	C	3.9
	4	1.4		14	5.0		E	0
	5	6.7	IC6202	1	3.5	Q4807	В	0
IC6105	1	5.5		2 3	3.5	27007	C	4.8
	2	1.1		3	3.4		E	0
	3	2.0		4	0	Q4808	В	0
	4	0.3 1.7		5 6	3.4 3.4	V-1000	C	4.2
	5							

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D1 (2/2) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
Q4809	В	0.5	Q4821	В	4.3	Q6125	В	1.5
	C	0.8		С	0		C	8.9
	Е	0		Е	0		Е	1.6
Q4810	В	0.1	Q4822	В	0	Q6126	В	1.5
	C	8.9		C	0		C	0
	E	0.4		Е	0		Е	1.6
Q4811	В	0	Q6103	D	30.2	Q6128	В	1.1
	C	8.9		G	4.4		C	8.9
	Е	0.2		S	0		Е	2.8
Q4812	В	1.4	Q6104	В	0.6	Q6201	В	0.4
	C	0		С	2.9		C	4.8
	Е	0.8		Е	0		Е	0
Q4813	В	2.6	Q6105	В	3.4	Q6202	В	-0.6
	C	0		С	5.0		C	2.6
	Е	0.8		E	2.9		Е	0
Q4814	В	1.8	Q6106	В	2.5	Q6203	В	-6.0
	C	0		С	-3.3		C	-2.3
	Е	0.7		Е	3.1		Е	-6.6
Q4815	В	1.4	Q6107	В	10.8	Q6350	В	0.4
	C	0		С	4.8		C	2.1
	Е	0.7		Е	11.1		Е	0
Q4816	В	1.8	Q6108	В	1.7	Q6356	В	0.4
	C	0		С	0		C	1.7
	Е	2.4		E	2.4		Е	0
Q4817	В	3.9	Q6118	В	0	Q6405	В	-0.6
	C	8.9		С	4.1		C	-4.5
	Е	3.3		E	0		Е	0
Q4818	В	3.3	Q6124	В	0	Q6455	В	2.6
	C	0		С	1.5		C	8.9
	Е	3.9		E	0		Е	1.9
Q4820	В	4.5						
	C	0						
	Е	5.2						

C BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
IC9001	1	3.4		7	139.8[134]		9	159
	2	11.7		8	160(158)[137]		10	156
	3	3.3		9	139.3(133)	Q9001	В	8.3
	4	-0	IC9003	1	3.44(3.34)	1	C	0
	5	8.6(8.3)[8.8]		2	11.72		Е	4.5
	6	199.3(198.8)		3	3.36	Q9009	В	3.0
	7	148.7(144)		4	-0(0.12)		C	0
	8	157.2(159)[154]		5	8.5		Е	3.6
	9	148.3(144)[147]		6	198	Q9010	В	3.2
IC9002	1	3.4		7	145.5(141)		C	0
	2	11.7		8	160		Е	3.8
	3	3.3		9	143.9	Q9011	В	2.9
	4	-0	J9001	3	520	1	C	0
	5	8.49(8.24)[8.55]		5	22.2(22.2)[-0]		Е	3.6
	6	199.3(198)		8	160			

B3 (1/3) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
IC501	1	0		60	1.5		31	0
	2 3	0		61	3.4		32	0
	3	0		62	0		33	0
	4	0		63	0		34	3.3
	5	0	10504	64	0		35	1.5
	6	0.6	IC504	1	0		36	0.5
	7	0.2		2	0		37	0
	8	1.2		3	0		38	3.3
	9	0.		4	3.3		39	1.6
	10	1.5		5	1.6		40	1.4
	11	0		6	2.0		41	0
	12	1.3		7	0		42	1.4
	13	0		8	0		43	1.7
	14	3.3		9	0		44	3.3
	15	-0		10	0		45	1.6
	16	3.3		11	0		46	1.5
	17	1.2		12	2.1		47	0
	18	1.6		13	2.2		48	1.3
	19	1.8	10500	14	0	_	49	0.8
	20	1.6	IC505	1	0		50	0
	21	2.0		2	3.2	IC603	1	0
	22	1.9		3	4.8		2	0
	23	1.7		4	4.8		3	1.2
	24	1.8		5	0		4	0.2
	25	-0	IC506	1	0		5	1.3
	26	4.8		2	3.0		6	1.3
	27	2.4		3	0		7	0
	28	0		4	0		8	0
	29	3.4	10(02	5	0		9	0
	30	4.8	IC602	1	3.3		10	0
	31	2.4		2	1.5		11	0
	32	0		3	1.4		12	1.3
	33	1.4		4	0		13	0
	34	0		5	1.1		14	3.3
	35	0		6	1.6	IC604	1	4.9
	36	1.4		7	3.3		2	0
	37	1.4		8	1.5		3	0
	38	0		9	1.4		4	0.3
	39	0		10	0		5	0.3
	40	0		11	1.4		6	0.4
	41	0		12 13	0.9 3.3		7	0.3
	42	0		13	3.3 0.5		8	0
	43	0		15	3.2		9	3.2
	44	0					10	3.2
	45	4.8		16	0 3.1		11	0
	46	0		17			12	4.9
	47	0		18	3.1		13	0
	48	0		19	0		14	4.6
	49	0		20	0		15	4.6
	50	2.4		21 22	0 0		16	4.9
	51	4.8						
	52	3.4		23	0			
	53	2.4		24	0			
	54	0		25	3.3			
	55	0		26	0			
	56	1.4		27	0			
	57	0		28	0			
	58	0		29	0			
	59	0		30	0			

B3 (2/3) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
C601	1 2 3 4 5 6 7 8	2.3		73	0		137	1.8
	2	0		74	2.4		138	0
	3			66	0		139	1.7
	4 5	0		67 68	3.3 0		140 141	1.3 2.4
	5	0		69	0.3		141	0
	7	0		70	0.5		143	3.3
	8	ő		71	ő		144	0
	9	Ö		72	3.3		145	1.1
	10	0.4		73	0		146	0.9
	11	0		74	2.4		147	1.4
	12	0		75	0		148	1.4
	13	0		76	0		149	1.5
	14	0		77	0		150	1.8
	15	0		78	3.3		151	1.4
	16 17	0		79	3.3		152	1.7
	17	0		80	0.3		153	1.6
	19	0		81 82	0.4 3.2		154 155	1.7 0
	20	1.5		83	0		156	0.1
	21	0		84	0		157	3.2
	22	ő		85	3.3		158	0.9
	23	3.3		86	0.3		159	0.9
	24	0		87	3.3		160	1.3
	25	0		88	0		161	1.3
	26	0		89	0		162	0
	27	1.6		90	0		163	0
	28	0		91	1.6		164	1.5
	29	0		92	1.6		165	1.5
	30	0		93	0		166	1.7
	31 32	0		94 95	2.4		167 168	1.9
	33	1.6 3.2		96	1.6 0		169	1.4 1.6
	34	-0		97	2.0		170	1.5
	35	ő		98	3.0		171	1.5
	36	Ö		99	0		172	2.4
	37	0		100	Ö		173	0
	38	0		101	0		174	1.7
	39	0		102	0.2		175	1.4
	40	0		103	2.4		176	1.0
	41	0		104	0		177	1.5
	42	0		105	0.3		178	1.8
	43	2.3		106	1.0		179	0
	44	0 1.2		107	1.2		180	1.2
	45	0		108 109	1.0		181 182	0.6
	46 47	0		110	0.5 2.2		182	$0 \\ 0$
	48	0		111	3.3		184	2.6
	49	ő		112	0		185	2.6
	50	Ö		113	0.5		186	2.6
	51	0		114	3.3		187	2.6
	52	0		115	3.3		188	0
	53	0		116	2.4		189	0.3
	54	3.3		117	1.5		190	0
	55	0		118	0		191	0.3
	56	0		119	0		192	0
	57	2.9		120	1.1		193	0.3
	58	2.9		121	1.1		194	0
	59 60	0		122 123	1.3 1.3		195 196	0.3 0.3
	61	0		123	1.5		196	2.3
	62	0		125	1.5		198	0
	63	2.9		126	2.0		199	0.3
	64	2.9		127	1.3		200	0.3
	65	0		128	1.1		201	0.3
	66	0		129	0.1		202	0.3
	67	3.3		130	0.1		203	0.3
	68	0		131	1.0		204	0.3
	69	0.3		132	0.9		205	0
	70	0		133	1.8		206	0.3
	71	0		134	1.8		207	3.3
	72	3.3		135 136	2.3 2.2		208	0

B3 (3/3) BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
Q501	В	0.0	Q521	В	4.8	Q902	В	0
	С	2.9		С	2.4		C	0.8
	Е	2.2		Е	3.1		Е	0.2
Q502	В	4.8	Q522	В	4.8	Q903	В	0.7
	С	2.1		C	3.1		C	0.8
	Е	2.8		Е	3.7		Е	0.2
Q503	В	4.8	Q523	В	4.8	Q907	В	0
	C	2.1		C	3.0		C	1.2
	Е	2.7		Е	0		Е	0.5
Q516	В	4.0	Q601	В	4.0	Q908	В	0
	С	2.5		С	0.7		C	1.0
	Е	3.2		Е	0		Е	0.3
Q517	В	4.1	Q602	В	4.2	Q909	В	0
	С	3.4		С	0.4		C	1.2
	Е	0		Е	0.5		Е	0
Q518	В	0.7	Q901	В	0.8			
	С	1.3		C	0.7			
	Е	0		Е	0			

P BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
IC8801	1	1.3	IC8802	I	4.5
	2	1.7		G	0
	3	0.2		О	3.3
	4	0.2	Q8801	В	0.6
	5	4.5		C	0
	6	4.4		Е	1.3
	7	3.3	Q8802	В	1.0
	8	0		C	0
	9	0		Е	1.7
	10	0.8	Q8803	В	0.6
	11	0.5		C	0
	12	0.5		Е	1.3
	13	0.5	Q8806	В	0.3
	14	0.7		C	3.3
	15	0		Е	0.3
	16	0.3	Q8807	В	0.1
	17	0		C	3.3
	18	0.3		Е	0.1
	19	0	Q8808	В	2.6
	20	0		C	0
	21	3.3		Е	3.2
	22 23	3.3 0	Q8809	В	2.1
	23	0.2		C	0
	25	0.2		Е	2.7
	26	0.3	Q8810	В	2.6
	27	2.1		C	0
	28	2.1		Е	3.2
	20	2,1	Q8811	В	0.3
				C	0
				Е	1.0

KV-EX29M69 RM-963

V2 BOARD VOLTAGE LIST

Ref	Pin No.	Voltage[V]	Ref	Pin No.	Voltage[V]	Ref	Pin No.	Voltage[V]
IC5801	1	0		27	2.4	IC5802	I	7.9
	2	0		28	-0		G	0
	3	0		29	0.9		О	4.9
	4	0		30	0	Q5801	В	4.8
	5	0		31	1.8		С	4.9
	6	0		32	0.2		Е	4.2
	7	0		33	0.5	Q5803	В	0.7
	8	0		34	0.2		С	0.02
	9	0		35	4.8		Е	0
	10	0		36	0.3	Q5806	В	0.03
	11	0		37	0.1		C	4.9
	12	0		38	4.9		Е	0
	13	0		39	4.9	Q5807	В	0.04
	14	0		40	0		C	4.9
	15	0		41	2.3		Е	0
	16	00		42	2.5	Q5808	В	0.04
	17	0		43	0		C	4.9
	18	0		44	4.8		Е	0
	19	0		45	0	Q5810	В	0.3
	20	0.9		46	0	(0.000	C	4.9
	21	0.9		47	4.9		E	0.3
	22	0		48	0	Q5817	В	4.9
	23	2.2		49	4.5	25017	C	0.1
	24	0.9		50	4.5		E	0.09
	25	2.0		51	0			0.07
	26	2.4		52	0			

VM BOARD VOLTAGE LIST

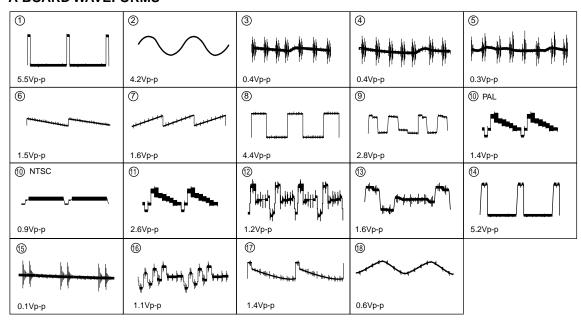
Ref	Pin No.	Voltage[v]	Ref	Pin No.	Voltage[v]
Q5400	В	1.5	Q5404	В	5.2
	C	8.4		C	0
	Е	0.9		Е	5.9
Q5401	В	1.6	Q5405	В	5.9
	C	5.2		C	0
	Е	1.0		Е	6.2
Q5402	В	7.2	Q5406	В	134
	C	9.0		C	67.7
	Е	6.6		Е	134
Q5403	В	6.6	Q5407	В	1.3
	C	9.0		C	67.8
	Е	6.2		Е	0.8

H1 BOARD VOLTAGE LIST

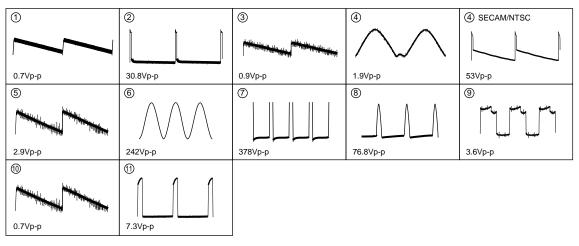
Ref	Pin No.	Voltage[v]
IC901	1	4.9
	2	4.8
	3	0
Q1901	В	0.1
	С	4.9
	Е	0.1
Q1902	В	4.5
	С	2.6
	Е	1.8

8-4. WAVEFORMS

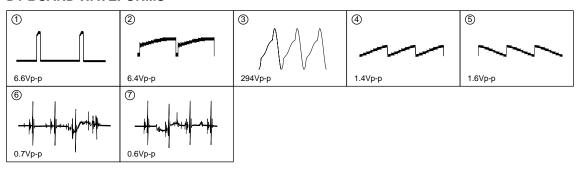
A BOARD WAVEFORMS



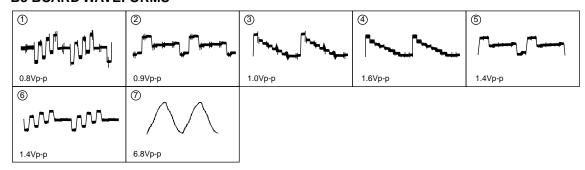
D BOARD WAVEFORMS



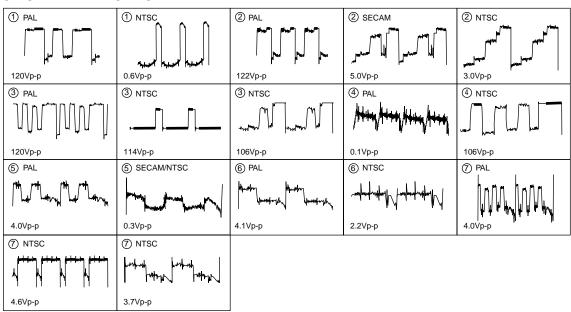
D1 BOARD WAVEFORMS



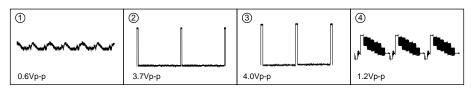
B3 BOARD WAVEFORMS



C BOARD WAVEFORMS



V2 BOARD WAVEFORMS

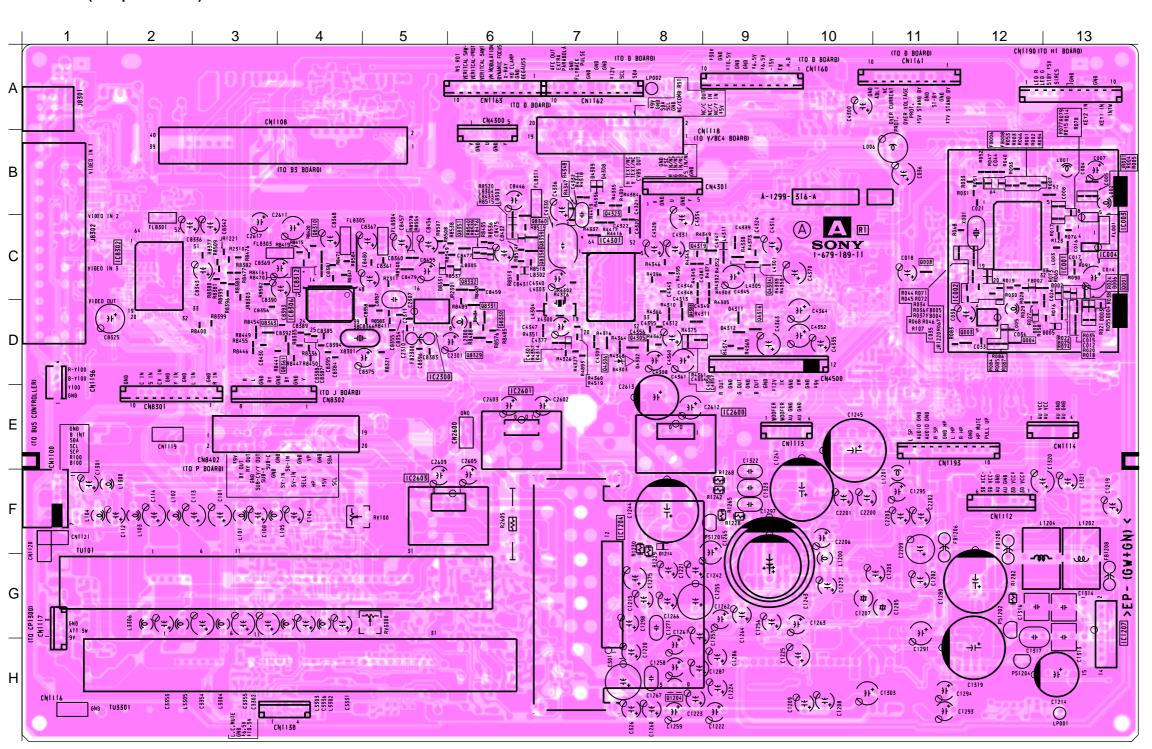


8-5. PRINTED WIRING BOARDS AND PARTS LOCATION

PRINTED WIRING BOARDS

[MAIN MICON, TUVIF, AUDIO AMPLIFIER, RGB OUT, YCT, COMB FILTER, VIDEO/AUDIO IN/OUT]

- A Board - (Component Side)

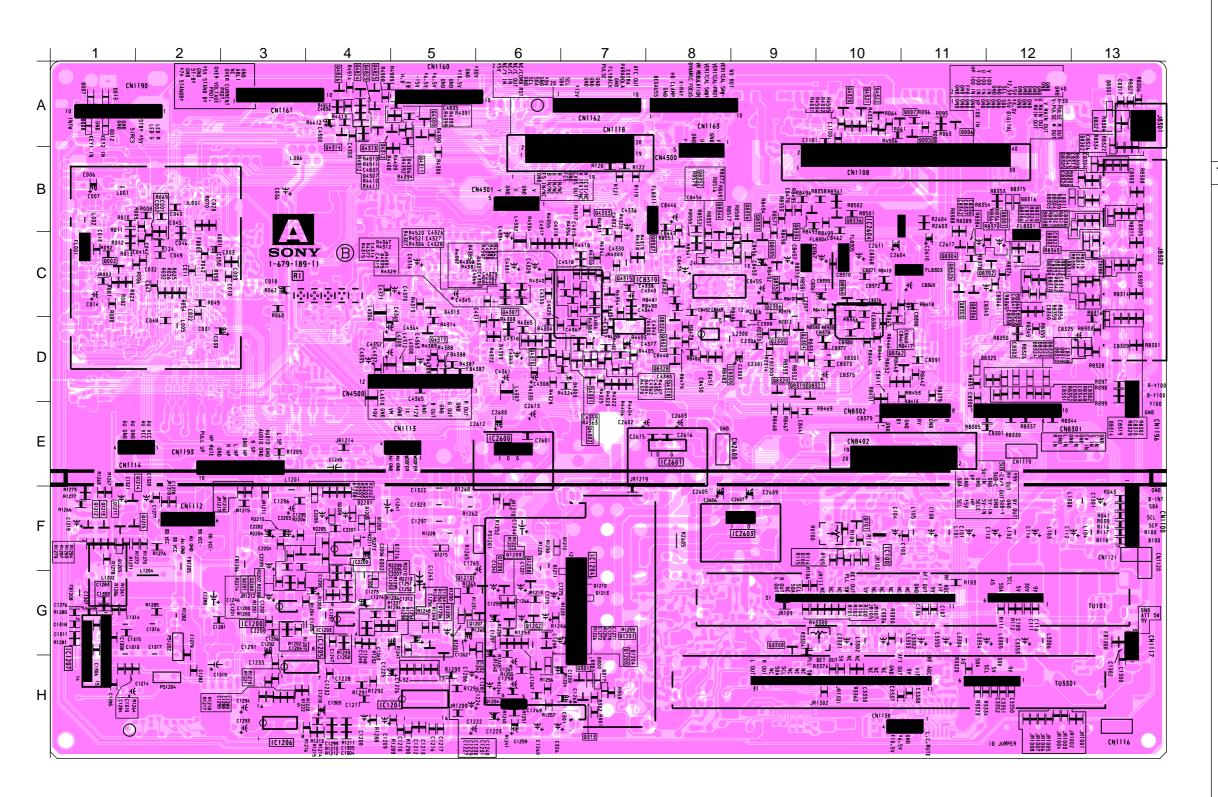


mponet Side)

10	
IC001 IC002 IC003 IC004 IC1204 IC1207 IC2300 IC2600 IC2601 IC2603 IC4301 IC8302 IC8306 IC8312	C-13 C-11 C-13 C-13 F-7 G-13 D-5 E-9 E-6 F-5 C-7 C-2 D-4
TRANSIS	STOR
Q001 Q003 Q004 Q008 Q1204 Q4304 Q4305 Q4306 Q4316 Q4319 Q4323 Q8310 Q8329 Q8331 Q8331 Q8332 Q8351 Q8358 Q8359 Q8360 Q8361 Q8363	C-13 D-12 D-12 C-11 H-8 C-9 D-8 D-7 D-8 D-9 C-8 B-7 C-4 D-6 D-6 C-6 C-7 C-7 C-7 C-7
DIOI	DE
D001 D002 D003 D004 D005 D006 D1214 D4302 D4303 D4308 D4309 D4311 D4312 D4314 D8331	D-12 C-13 D-13 D-13 D-12 C-13 F-8 D-8 B-7 B-7 D-9 D-9 D-7 C-5

A BOARD (Conductor Side)

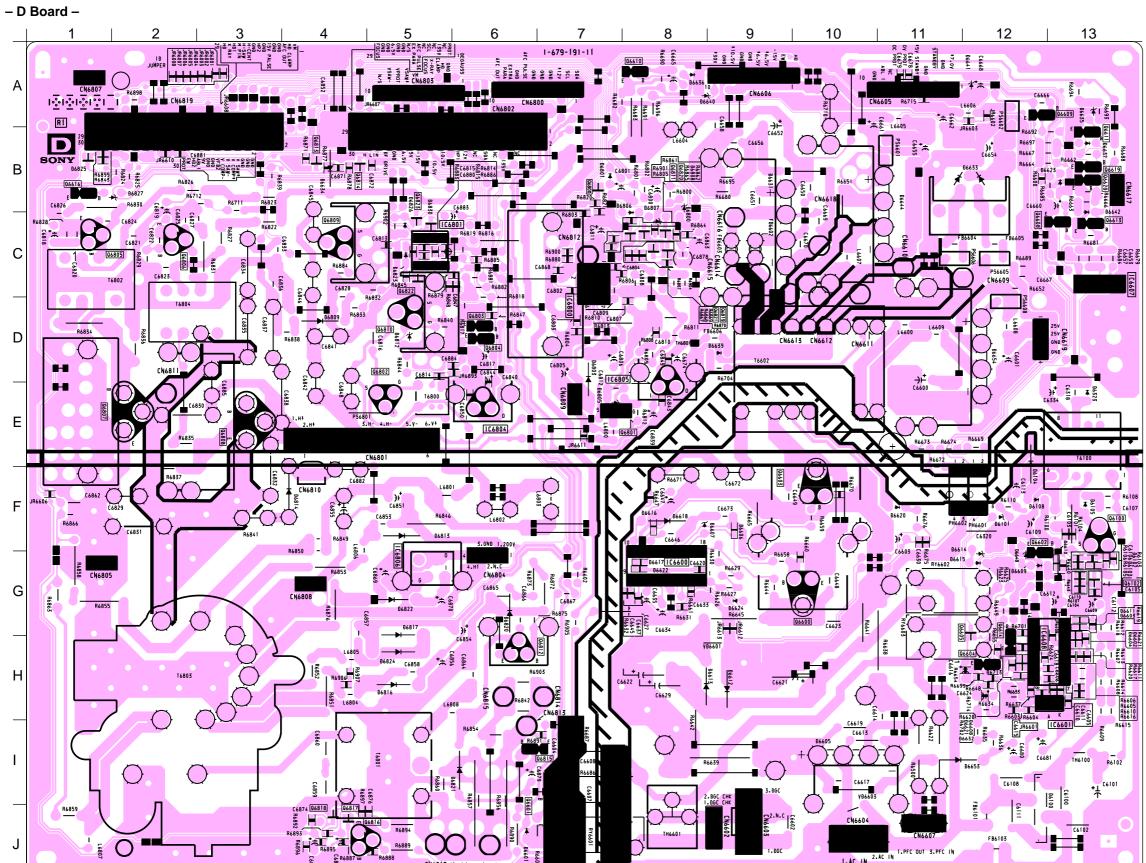
- A Board - (Conductor Side)



	.5 (0	01.00.00	o. o.
IC		Q8320	D-9 D-10
IC001 IC1200 IC1201 IC1203 IC1204 IC1205 IC1206 IC1207 IC2200 IC2600 IC2601 IC2601 IC2604 IC8309 IC8310	F-10 G-3 H-4 G-4 F-7 G-4 H-3 H-1 F-4 E-6 E-8 F-9 B-10 D-9 C-7	Q8321 Q8325 Q8326 Q8327 Q8328 Q8333 Q8334 Q8335 Q8336 Q8357 Q8357 Q8357 Q8362 Q8364	C-10 C-11 D-8 D-8 B-9 C-9 B-10 C-8 B-8 B-8 B-8 B-9 C-9 C-9 C-9 C-10
TRANSIS		DIOI	DE
Q002 Q005 Q006 Q007 Q101 Q301 Q313 Q1200 Q1201 Q1202 Q1203 Q1204 Q1205 Q1206 Q1207 Q1208 Q1209 Q1210 Q1211 Q1212 Q1213 Q1214 Q1215 Q2200 Q2201 Q2301 Q2304 Q2305 Q2306 Q3300 Q4300 Q4301 Q4302 Q4303 Q4301 Q4311 Q4312 Q4313 Q4311	C-1 A-1 A-11 F-10 G-5-5-5-6-6-5-1 F-1-1-2-2-3-3-9-9-9-5-7-7-6-6-5-4-4-4-7-5-8-0 D-10 B-4-4-4-4-4-4-12-11-11-9-12-12-13-13-13-13-13-13-13-13-13-13-13-13-13-	D007 D008 D012 D013 D100 D300 D301 D302 D317 D1200 D1201 D1202 D1203 D1204 D1205 D1208 D1210 D1211 D1212 D1213 D1215 D1216 D2200 D2201 D4303 D4304 D4305 D4306 D4307 D4313 D8301 D8302 D8303 D8304 D8305 D8306 D8311 D8302 D8313 D8314 D8315 D8316 D8312 D8313 D8314 D8315 D8316 D8321 D8322 D8323 D8324 D8325	A-1 A-1 A-1 A-1 F-4 F-7 F-4 H-7 G-5 G-5 F-6 G-7 F-5 F-4 F-4 D-7 C-12 B-12 B-12 B-12 D-12 B-12 D-12 D-12 D-12 D-12

PRINTED WIRING BOARDS

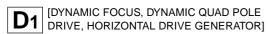
[POWER SUPPLY, DEFLECTION HV]



D BOARD

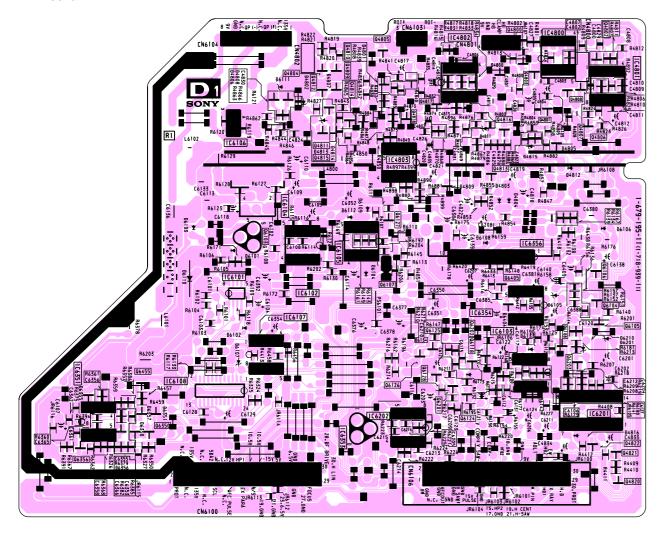
L) BOAR	RD		
	IC		D6104 D6105	F-12 F-13
	IC6600 IC6601 IC6607 IC6608 IC6800 IC6801 IC6804 IC6805 IC6806	G8 H13 C13 G12 D7 C5 E6 D7 G5	D6108 D6108 D6323 D6601 D6602 D6603 D6604 D6605 D6606 D6607	F-12 E-13 J-6 G-13 G-13 G-13 I-10 F-9 F-9 I-12
	TRANSI	STOR	D6609	G-12
	Q6100 Q6102 Q6600 Q6601 Q6602 Q6603 Q6604 Q6605 Q6608 Q6609 Q6610 Q6611 Q6613 Q6614 Q6616 Q6619 Q6800 Q6801 Q6802 Q6803 Q6804 Q6807 Q6806 Q6807 Q6806 Q6811 Q6811 Q6815 Q6815 Q6815 Q6817 Q6816 Q6817 Q6816 Q6817 Q6818 Q6817 Q6818 Q6819 Q6819 Q6811 Q6811 Q6811 Q6812 Q6816 Q6817 Q6818 Q6819 Q6811 Q6811 Q6811 Q6811 Q6811 Q6811 Q6811 Q6811 Q6812 Q6811 Q6812 Q6811 Q6812 Q6813 Q6813 Q6814 Q6815 Q6816 Q6817 Q6818 Q6819 Q6818 Q6819 Q6811 Q6818 Q6819 Q6811 Q6818 Q6819 Q6818 Q6819 Q6818 Q6819 Q6818 Q6819 Q6818 Q6819 Q6818 Q682 Q682 Q682 Q682 Q682 Q682 Q682 Q68	F-13 G-10 I-6 F-12 F-9 H-12 G-12 G-12 A-13 A-8 B-13 B-13 B-13 B-7 E-8 D-5 D-6 C-2 C-1 E-3 C-4 D-5 B-4 I-7 J-5 I-4 I-4 D-9 B-9 B-9 C-5 B-7 B-7 B-7 B-7 B-7 B-7 B-7 B-7 B-7 B-7	D6610 D6611 D6612 D6615 D6616 D6617 D6618 D6620 D6621 D6623 D6624 D6631 D6632 D6634 D6636 D6630 D6640 D6641 D6642 D6644 D6648 D6653 D6653 D6600 D6801 D6803 D6805 D6806 D6807 D6806 D6807 D6808 D6809 D6812 D6813 D6814 D6816 D6817 D6820 D6821 D6820 D6821 D6822 D6823 D682	F-13 H-9 H-11 F-11 F-12 F-12 F-12 F-12 F-12 F-12 F
			D6823 D6824	C-5 H-5
	D6100 D6101 D6102 D6103	I-13 F-12 G-13 G-13	D6825 D6826 D6827 D6830	B-1 B-4 B-2 B-4

PRINTED WIRING BOARDS





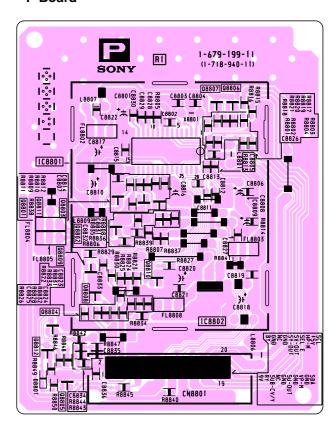
- D1 Board -



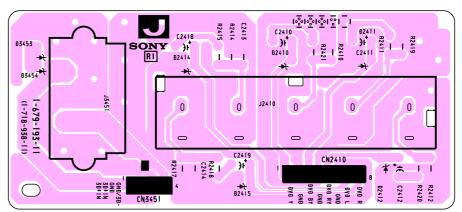
P [PICTURE IN PICTURE]



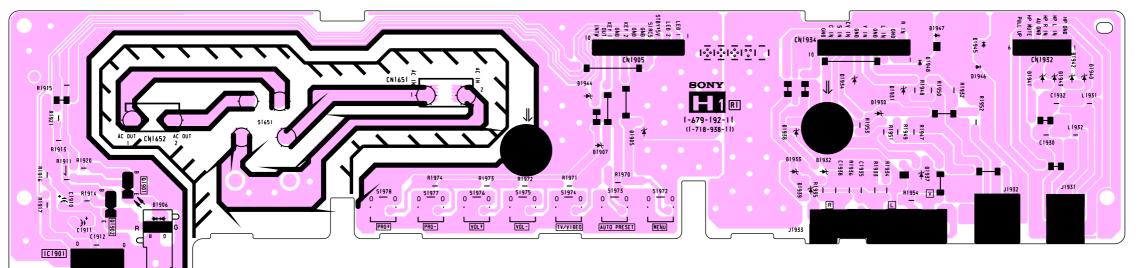
- P Board -



- J Board -

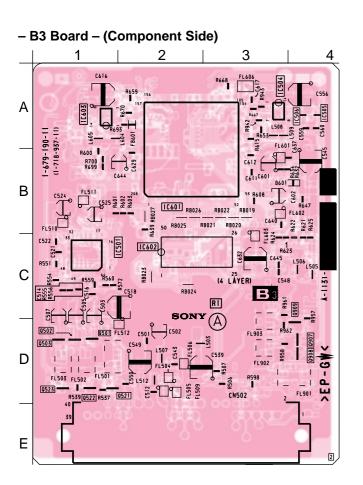


- H1 Board -



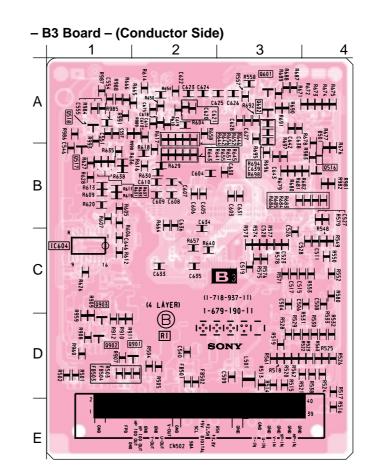
PRINTED WIRING BOARDS





B3 BOARD (Componet Side)

IC
IC501 C-1 IC504 A-3 IC505 A-4 IC505 A-4 IC601 B-2 IC602 C-2 IC603 A-1
TRANSISTOR
Q501 D-1
Q502 D-1 Q503 D-1 Q521 D-2 Q522 D-1 Q523 D-1 Q907 D-4 Q908 D-4 Q909 C-4
Q502 D-1 Q503 D-1 Q521 D-2 Q522 D-1 Q523 D-1 Q907 D-4 Q908 D-4



B3 BOARD (Conductor Side)

IC IC604 C-1 TRANSISTOR Q516 B-4 Q517 B-1 Q518 A-1 Q601 A-3 Q602 A-3 Q901 D-2 Q902 D-1 Q903 C-1 TRANSISTOR D501 A-4		
TRANSISTOR Q516 B-4 Q517 B-1 Q518 A-1 Q601 A-3 Q602 A-3 Q901 D-2 Q902 D-1 Q903 C-1 TRANSISTOR	IC	;
Q516 B-4 Q517 B-1 Q518 A-1 Q601 A-3 Q602 A-3 Q901 D-2 Q902 D-1 Q903 C-1 TRANSISTOR	IC604	C-1
Q517 B-1 Q518 A-1 Q601 A-3 Q602 A-3 Q901 D-2 Q902 D-1 Q903 C-1 TRANSISTOR	TRANS	STOR
	Q517 Q518 Q601 Q602 Q901 Q902	B-1 A-1 A-3 A-3 D-2 D-1
D501 A-4	TRANSI	STOR
	D501	A-4

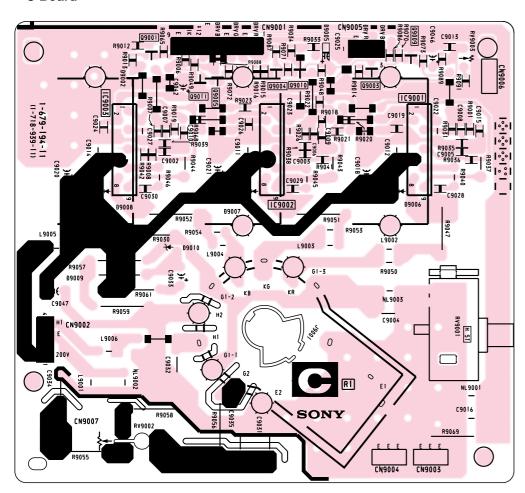




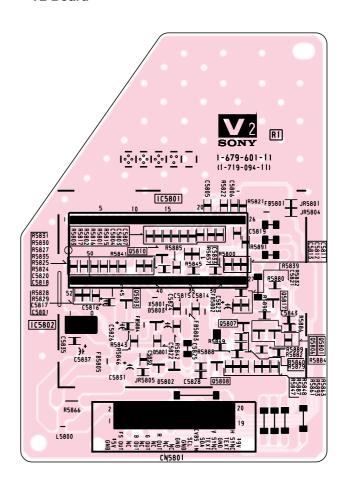




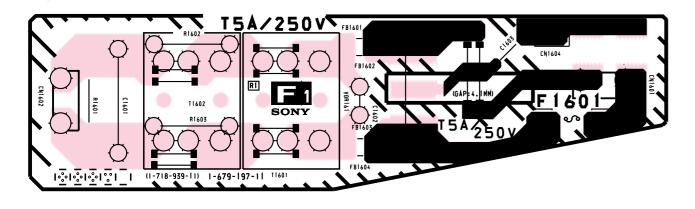
- C Board -



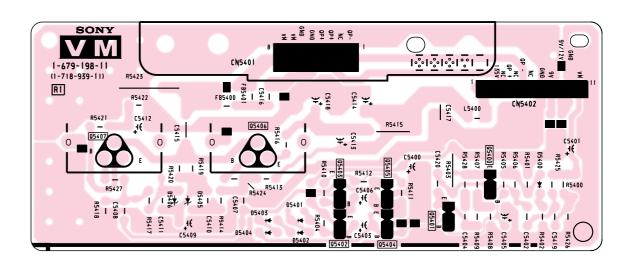
- V2 Board -



- F1 Board -

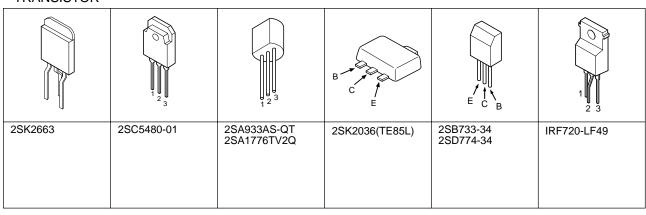


-VM Board -



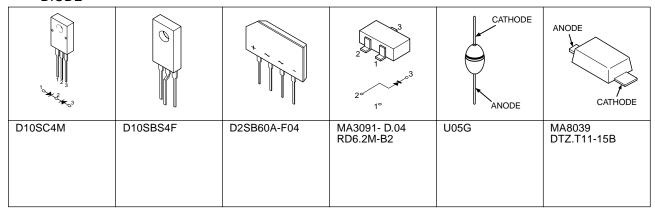
8-6 SEMICONDUCTORS

TRANSISTOR



LETTER SIDE	S G D	E C B	LETTER SIDE E C B		m C
DTC144ESA 2SA1175-HFE 2SC2785-HFE 2SC3311A-QRSTA	2SK246-GR	2SC2500-B	2SC3601-E- T.12 2SC2688-LK	2SA2005 2SC5511 2SC3840(3) IRF1830G-LF49 IRFIB7N50A BA12T BA09T	DTC144EKA 2SA1037AK-T146R 2SA1162-YG 2SC1623-L5L6 2SC2712-YG 2SD601A-Q DTC144TKA-T146 UN2213 2SD2114K

DIODE



ANODE (GRN) ANODE (GRN)	2 3 3 2 5 3 3	+ 2 2 2 1	ANODE CATHODE		CATHODE
SPB-26MVWF	DAN202K	EZ0150AV1 D4SBL20U D4SB60L	DTZ9.1 DTZ-TT11-16B MA111-(K8).S0 MA113-(TX) RD5.6SB3-T1 RD9.1S-B 1SS355TE-17	D1NL20U-TR GP08D HSS83TD NNCD9.1A-T1 HZS9.1NB2 UF4005PKG23 1SS119-25	1SS133T-77 RGP02-20EL-6394 D1NS6 ERA22-08 EL1Z 10ELS2N-TB5 EU2A S3L20UF4

DIODE IC 8888888888 CATHODE SOP TOP VIEW Single In -line Package Pin 8~98 ANODE MB88141APF-ER UPC358C D1NS4 RD12ESB1 MTZJ-7.5B BA033FP-E2 ERA82-009 RD30ESB2 MTZJ-T-77-12 CXA1875AM-T4 M24C16-MN6T TDA9178T/N1.118 MTZJ-T-77-10 RD22ESB1 MTZJ-T-77-15 TLC2932IPW MTZJ-T-77-22 BH3868AFS-E2 ERA85-009 RD18ES-B2 TLC2933IPWR MTZJ-T-77-2.2B MTZJ-2.7A RD18ESB MB81F161622B-80FN UPC4558G2 RD5.1ESB2 MTZJ-T-77-12 RD3.6ES-B1 TC7SET00FU(TE85R) NJM4560M RD2.2ESB2 ERA38-06 RD6.8ES-B1 CXA1211 MM1115XFBE RD10ESB2 MTZJ-30A RD7.5ES-B2 SDA9588X MM1476AF(TP) D1N20R RD2.7ESB2 RD15ES-B1 RD4.7ESB2 RD6.8ESB2 RD3.9ES-B2 DM-58 L49040V5 STV9379 S-80743AL-A7-S TDA6111Q/N4 TA7805S PQ09RF2 2SK2251-01 QFP DIP 52 **64 64** 32 **TOP VIEW** TOP VIEW 8888888888888888888 Quad Flat L-leaded Dual In-line Package Package Pin 20~996 Pin 6~98 **TOP VIEW** CA0007AD CA0005AD CXD2090Q NJM386BL TLC5733AIPM NJU4066BM CXA2069Q NJM3404ADW TDA9181T CXA2100AQ SDA5254-2B006 UPC399-C CXP750096-030Q LM393N CXA2123AQ-T6 PQ07VZ012P UPC1093J-1-T LA6500-FA SBX1981-51P **BA033T** LA6510 TA78L05S

SECTION 9 EXPLODED VIEWS

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

9-1. SPEAKER BRACKET

■: 7-685-663-71 SCREW +BVTP 4 × 16

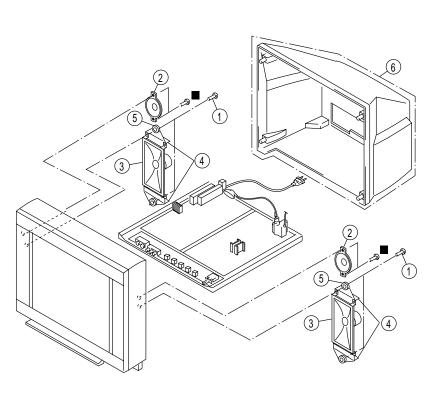
 Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

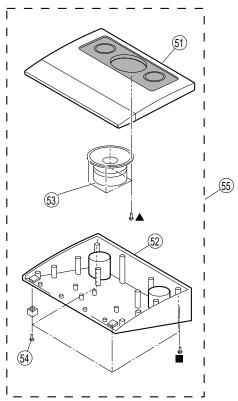
The components identified by shading and mark \triangle are critical for safety.

Replace only with part number specified.

9-2. 3D SPEAKER

■: 7-685-663-71 SCREW +BVTP 4 × 16 ■: 7-685-661-14 SCREW +BVTP 4 × 12



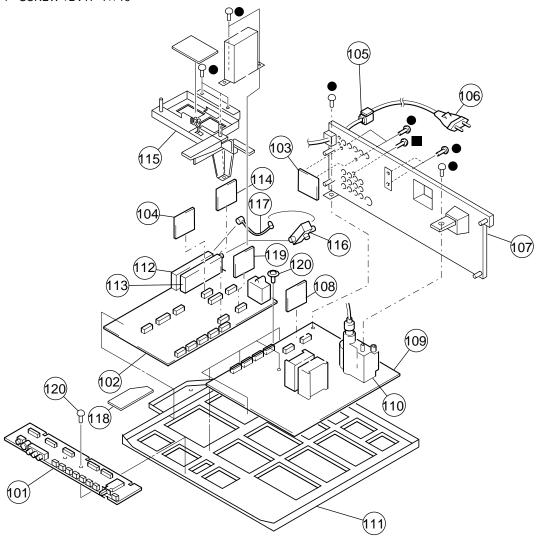


REF.	NO. PART NO.	DESCRIPTION	REMARK	REF. N	NO. PART NO
1	4-302-404-03	SCREW (WASHER HEAD) (+P 4 x 16)		51	* 4-076-05
2	1-529-190-11	SPEAKER (5CM)		52	* 4-076-06
3	1-503-902-41	SPEAKER (15 x 6.5CM)		53	1-529-83
4	* 4-046-981-01	BRACKET, SPEAKER		54	4-302-42
5	4-374-745-21	CUSHION (A)		55	A-1501-7
6	X-4038-161-1	REAR COVER ASSY (■ 12 SCREWS)			

REF. NO	PART NO.	DESCRIPTION	REMARK
51	4-076-059-01	3D BOX, TOP (■20	OSCREWS)
52 ;	4-076-060-01	3D BOX, BOTTOM	
53	1-529-839-11	SPEAKER, (16 CM)	
54	4-302-428-03	SCREW (WASHER HEAD) (+P 3 x 12)	
55	A-1501-737-A	3D BOX ASSY	51-55

9-3. CHASSIS

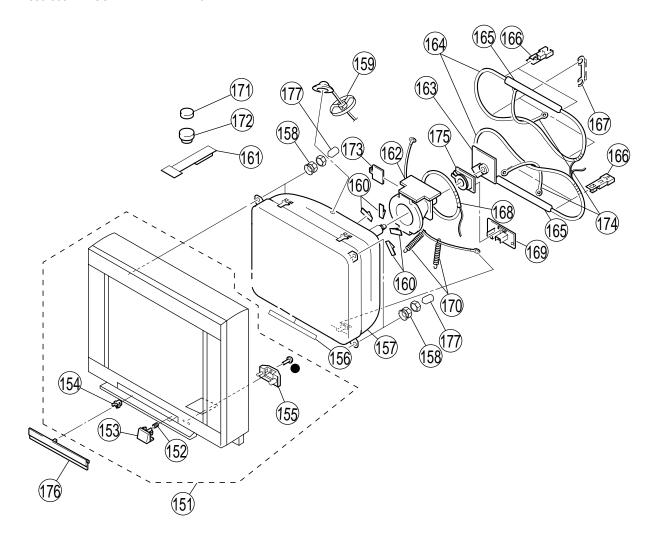
- ●: 7-685-648-79 SCREW +BVTP 3 × 12
- ■: 7-685-663-71 SCREW +BVTP 4 × 16



REF.	NO. PART NO.	DESCRIPTION	REMARK
101 102 103 104	* A-1299-316-A * A-1388-286-A * A-1195-161-A	J BOARD, MOUNTED P BOARD, COMPLETE	
105	△ 4-022-115-12	HOLDER, AC CORD	
106 107 108 109	⚠ 1-574-062-52 * 4-075-447-01 * A-1343-928-A * A-1346-975-A ⚠ 1-453-349-11	CORD, POWER (WITH CONNECTOR) BRACKET, TERMINAL DI BOARD, MOUNTED D BOARD, COMPLETE TRANSFORMER ASSY, FLYBACK	
110	<u>//</u> 1-433-349-11	(NX-4522//J1I4)	
111 112 113 114 115	* 4-075-446-01 8-598-508-10 8-598-452-20 * A-1347-165-A * 4-076-315-01	BRACKET, MAIN TUNER, FSS BTF-LG436 TUNER, FSS BTF-WG442 V2 BOARD, COMPLETE BRACKET, PWB	
116 117 118 119 120	1-251-658-21 * 1-555-110-00 * A-1241-437-A * A-1136-132-A 4-046-797-01	SPLITTER RF P-P CABLE F1 BOARD, MOUNTED B3 BOARD, COMPLETE SCREW (3 x 12), (+)BVTAP	

9-4. PICTURE TUBE

- ●: 7-685-648-79 SCREW +BVTP 3 × 12 ■: 7-685-663-71 SCREW +BVTP 4 × 16



REF. I	NO. PART NO.	DESCRIPTION	REMARK
151	X-4038-160-1	BEZNET ASSY	152-155, 176
152	4-036-405-11	SPRING, COMPRESSION	
153	4-075-747-01	BUTTON, POWER	
154	4-047-464-01	CATCHER, PUSH	
155	* 4-075-749-01	GUIDE, LIGHT	
156	4-072-569-41	SHEET, BLOTTING	
157	△ 8-735-056-05	PICTURE TUBE (M68LNF	H070X)
158	4-387-204-01	NUT, SPECIAL, CRT	
159	* 3-704-372-11	HOLDER, HV CABLE	
160	3-703-961-01	SPACER DY	
161	X-4387-214-3	PERMALOY ASSY, CORR	ECTION
162	△ 8-451-504-61	DEFLECTION YOKE (Y29	PRSC-Y3)
163	* A-1332-101-A	C BOARD, MOUNTED	

REF.	NO. PART NO.	DESCRIPTION	REMARK
164	1-419-294-11 1 1 1 1 1 1 1 1 1	COIL, DEGAUSSING	
165	4-063-935-21	CUSHION (50 x 550), DGC	
166	4-062-970-12	CLIP (29RSN), DGC	
167	4-064-883-03	HOLDER, DGC	
168	1-452-896-11	COIL, NA ROTATION (RT200)	
169	* A-1342-570-A	VM BOARD, MOUNTED	
170	4-369-318-61	SPRING, TENSION	
171	1-452-032-00	MAGNET, DISC	
172	1-452-094-00	CIRCULAR DISC MAGNET B	
173	4-077-228-01	PIECE, TLH CONVERGENCE	
174	4-068-028-32	BAND, DGC	
175	8-453-011-11	NA299-M	
176	4-075-748-01	CONTROL, DOOR	
177	4-074-060-01	CAP, SCREW	

SECTION 10 ELECTRICAL PARTS LIST



NOTE:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- \bullet Items marked " * " are not stocked since they $\quad \bullet \quad$ All resistors are in ohms are seldom required for routine service. • F: nonflammable Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise COILS

CAPACITORS

• MF: μF, PF: μμF

• MMH : mH, UH : μ H

REF. N	IO. PART NO.	DESCRIPTION		REMARK	REF. NO	PART NO.	DESCRIPTION		REMARK
	* A-1299-316-A	A BOARD COMP	LETE		C111	1-163-005-11	CERAMIC CHIP	470PF	10.00% 50V
		******			C112	1-126-933-11	ELECT	100UF	20.00% 16V
					C113	1-126-967-11	ELECT	47UF	20.00% 50V
	4-382-854-11	SCREW (M3X10).	P, SW (+)		C114	1-126-967-11	ELECT	47UF	20.00% 50V
		` '			C301	1-126-767-11	ELECT	1000UF	20.00% 16V
		<capacitor></capacitor>			C326	1-126-964-11	ELECT	10UF	20.00% 50V
					C1100	1-163-239-11	CERAMIC CHIP	33PF	5.00% 50V
C001	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V	C1101	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50V
C002	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V	C1200	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V
C004	1-163-001-11	CERAMIC CHIP	220PF	10.00% 50V	C1201	1-216-295-11	SHORT	0	
C005	1-163-001-11	CERAMIC CHIP	220PF	10.00% 50V					
C006	1-107-725-11	CERAMIC CHIP	0.1UF	10.00% 16V	C1202	1-104-664-11	ELECT	47UF	20.00% 16V
					C1203	1-104-664-11	ELECT	47UF	20.00% 16V
C007	1-126-933-11	ELECT	100UF	20.00% 16V	C1204	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V
C009	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	C1205	1-107-698-11	ELECT	10UF	20.00% 25V
C010	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	C1206	1-216-295-11	SHORT	0	
C012	1-163-227-11	CERAMIC CHIP	10PF	0.50PF 50V					
C013	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V	C1207	1-107-698-11	ELECT	10UF	20.00% 25V
					C1208	1-126-960-11	ELECT	1UF	20.00% 50V
C014	1-126-967-11	ELECT	47UF	20.00% 50V	C1209	1-126-960-11	ELECT	1UF	20.00% 50V
C015	1-163-227-11	CERAMIC CHIP	10PF	0.50PF 50V	C1210	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00% 50V
C016	1-163-243-11	CERAMIC CHIP	47PF	5.00% 50V	C1211	1-117-720-11	CERAMIC CHIP	4.7UF	10V
C017	1-163-113-00	CERAMIC CHIP	68PF	5.00% 50V	G1212		ann i i ia airm	0.000775	10.000/ 5077
C018	1-104-665-11	ELECT	100UF	20.00% 10V	C1212	1-115-185-11	CERAMIC CHIP	0.033UF	10.00% 50V
G024	4 4 52 024 04	arr is tra arm	0.0477	10.000/ 5077	C1213	1-164-182-11	CERAMIC CHIP	0.0033UF	10.00% 50V
C021	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V	C1215	1-126-960-11	ELECT	1UF	20.00% 50V
C024	1-163-227-11	CERAMIC CHIP	10PF	0.50PF 50V	C1216	1-164-344-11	CERAMIC CHIP	0.068UF	10.00% 25V
C028	1-163-037-11	CERAMIC CHIP	0.022UF	10.00% 50V	C1217	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50V
C030	1-104-664-11	ELECT CERAMIC CHIR	47UF	20.00% 25V	C1210	1 164 490 11	CED AMIC CHID	0.22115	10 000/ 161/
C031	1-107-823-11	CERAMIC CHIP	0.47UF	10.00% 16V	C1218	1-164-489-11	CERAMIC CHIP	0.22UF	10.00% 16V
C022	1 162 021 01	CERAMIC CHIP	0.011115	10 000/ 5 0V	C1220 C1222	1-126-960-11	ELECT ELECT	1UF	20.00% 50V
C032 C033	1-163-021-91 1-115-339-11	CERAMIC CHIP	0.01UF 0.1UF	10.00% 50V	C1222	1-126-963-11	ELECT	4.7UF	20.00% 50V
C033	1-163-259-91	CERAMIC CHIP	0.10F 220PF	10.00% 50V 5.00% 50V	C1223	1-126-963-11	ELECT	4.7UF 22UF	20.00% 50V 20.00% 50V
C034	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V 5.00% 50V	C1224	1-126-965-11	ELECI	22UF	20.00% 30 V
C035	1-103-231-11	ELECT	100FF 100UF	20.00% 25V	C1225	1-104-665-11	ELECT	100UF	20.00% 25V
C030	1-104-005-11	ELECT	10001	20.00% 23 V	C1225	1-164-003-11	CERAMIC CHIP	0.1UF	10.00% 25V
C041	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V	C1227	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V 10.00% 25V
C041	1-163-251-11	CERAMIC CHIP	100FF	5.00% 50V 5.00% 50V	C1227	1-117-720-11	CERAMIC CHIP	4.7UF	10.00% 23 V 10 V
C042	1-163-251-11	CERAMIC CHIP	100FF	5.00% 50V 5.00% 50V	C1228	1-117-720-11	CERAMIC CHIP	0.033UF	10.00% 50V
C044	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V 5.00% 50V	C122)	1 113 103 11	CERTIFIC CITI	0.03301	10.00/030 •
C045	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V	C1230	1-164-182-11	CERAMIC CHIP	0.0033UF	10.00% 50V
0015	1 103 231 11	CERU EVIIC CITI	10011	3.0070 301	C1231	1-164-344-11	CERAMIC CHIP	0.068UF	10.00% 25V
C046	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V	C1232	1-117-720-11	CERAMIC CHIP	4.7UF	10V
C047	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V	C1233	1-117-720-11	CERAMIC CHIP	4.7UF	10V
C048	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V	C1240	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50V
C050	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V					
C103	1-107-725-11	CERAMIC CHIP	0.1UF	10.00% 16V	C1241	1-128-550-11	ELECT	2200UF	20.00% 50V
					C1243	1-131-612-11	ELECT	6800UF	20% 50V
C104	1-126-933-11	ELECT	100UF	20.00% 16V	C1244	1-128-550-11	ELECT	2200UF	20.00% 50V
C107	1-163-005-11	CERAMIC CHIP	470PF	10.00% 50V	C1245	1-128-550-11	ELECT	2200UF	20.00% 50V
C108	1-126-933-11	ELECT	100UF	20.00% 16V	C1247	1-164-505-11	CERAMIC CHIP	2.2UF	16V
C109	1-163-005-11	CERAMIC CHIP	470PF	10.00% 50V					
C110	1-163-005-11	CERAMIC CHIP	470PF	10.00% 50V	C1248	1-163-037-11	CERAMIC CHIP	0.022UF	10.00% 50V
					C1249	1-163-037-11	CERAMIC CHIP	0.022UF	10.00% 50V



REF. NO	PART NO.	DESCRIPTION		REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK
C1250	1-164-505-11	CERAMIC CHIP	2.2UF	16V	C2307	1-136-165-00	FILM	0.1UF	5.00% 50V
C1251	1-163-037-11	CERAMIC CHIP	0.022UF	10.00% 50V	C2307	1-163-021-91	CERAMIC CHIP	0.101 0.01UF	10.00% 50V
C1251	1-163-037-11	CERAMIC CHIP	0.022UF	10.00% 50V 10.00% 50V	C2500 C2600	1-164-004-11	CERAMIC CHIP	0.01C1 0.1UF	10.00% 25V
C1232	1-103-037-11	CLIANIC CIII	0.02201	10.00 /0 30 V	C2601	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V 10.00% 25V
C1253	1-164-505-11	CERAMIC CHIP	2.2UF	16V	C2602	1-126-933-11	ELECT	100UF	20.00% 16V
C1254	1-163-038-11	CERAMIC CHIP	0.1UF	25V	C2002	1 120 /33 11	LLLC I	10001	20.0070101
C1255	1-126-941-11	ELECT	470UF	20.00% 25V	C2603	1-126-933-11	ELECT	100UF	20.00% 16V
C1256	1-126-964-11	ELECT	10UF	20.00% 50V	C2605	1-104-665-11	ELECT	100UF	20.00% 10V
C1257	1-126-933-11	ELECT	100UF	20.00% 16V	C2606	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
					C2607	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1258	1-126-960-11	ELECT	1UF	20.00% 50V	C2609	1-104-665-11	ELECT	100UF	20.00% 10V
C1259	1-126-964-11	ELECT	10UF	20.00% 50V					
C1261	1-126-960-11	ELECT	1UF	20.00% 50V	C2610	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1262	1-126-960-11	ELECT	1UF	20.00% 50V	C2611	1-126-924-11	ELECT	330UF	20.00% 10V
C1263	1-126-965-11	ELECT	22UF	20.00% 50V	C2612	1-104-665-11	ELECT	100UF	20.00% 25V
					C2613	1-126-767-11	ELECT	1000UF	20.00% 16V
C1264	1-126-965-11	ELECT	22UF	20.00% 50V	C2615	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1265	1-249-429-11	CARBON	10K	5% 1/4W					
C1266	1-126-964-11	ELECT	10UF	20.00% 50V	C2616	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1267	1-136-161-00	FILM	0.047UF	5.00% 50V	C2617	1-104-665-11	ELECT	100UF	20.00% 10V
C1268	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00% 50V	C3330	1-107-725-11	CERAMIC CHIP	0.1UF	10.00% 16V
					C3331	1-126-933-11	ELECT	100UF	20.00% 16V
C1270	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00% 50V	C3336	1-126-933-11	ELECT	100UF	20.00% 16V
C1271	1-136-161-00	FILM	0.047UF	5.00% 50V					
C1273	1-126-964-11	ELECT	10UF	20.00% 50V	C3338	1-163-005-11	CERAMIC CHIP	470PF	10.00% 50V
C1274	1-115-339-11	CERAMIC CHIP	0.1UF	10.00% 50V	C3350	1-163-005-11	CERAMIC CHIP	470PF	10.00% 50V
C1275	1-126-948-11	ELECT	100UF	20.00% 35V	C3351	1-163-005-11	CERAMIC CHIP	470PF	10.00% 50V
					C3352	1-163-005-11	CERAMIC CHIP	470PF	10.00% 50V
C1286	1-126-963-11	ELECT	4.7UF	20.00% 50V	C3353	1-126-933-11	ELECT	100UF	20.00% 16V
C1287	1-126-963-11	ELECT	4.7UF	20.00% 50V					
C1288	1-164-489-11	CERAMIC CHIP	0.22UF	10.00% 16V	C3354	1-126-967-11	ELECT	47UF	20.00% 50V
C1289	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00% 50V	C3355	1-126-967-11	ELECT	47UF	20.00% 50V
C1290	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V	C4300	1-126-964-11	ELECT	10UF	20.00% 50V
C1201	1 104 665 11	EL ECT	100115	20.000/ 251/	C4301	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1291	1-104-665-11	ELECT CERAMIC CHIP	100UF	20.00% 25V	C4303	1-164-489-11	CERAMIC CHIP	0.22UF	10.00% 16V
C1292 C1293	1-115-339-11 1-126-964-11	ELECT	0.1UF 10UF	10.00% 50V 20.00% 50V	C4308	1-126-960-11	ELECT	1UF	20.00% 50V
C1293	1-126-964-11	ELECT	10UF	20.00% 50V 20.00% 50V	C4308 C4309	1-120-900-11	CERAMIC CHIP	0.22UF	10.00% 16V
C1294	1-126-964-11	ELECT	10UF	20.00% 50V 20.00% 50V	C4309 C4316	1-104-469-11	ELECT	47UF	20.00% 25V
C1293	1-120-904-11	ELECT	1001	20.0070 30 V	C4310 C4317	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1296	1-115-339-11	CERAMIC CHIP	0.1UF	10.00% 50V	C4317	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1297	1-136-161-00	FILM	0.047UF	5.00% 50V	0.010	1 10.00.11	ozata ilvino orini	0.101	10.0070 20 1
C1298	1-126-960-11	ELECT	1UF	20.00% 50V	C4319	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1299	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00% 50V	C4320	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1301	1-126-933-11	ELECT	100UF	20.00% 16V	C4321	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
					C4322	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1302	1-115-339-11	CERAMIC CHIP	0.1UF	10.00% 50V	C4324	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1303	1-104-665-11	ELECT	100UF	20.00% 25V					
C1304	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00% 50V	C4325	1-163-227-11	CERAMIC CHIP	10PF	0.50PF 50V
C1305	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V	C4326	1-164-346-11	CERAMIC CHIP	1UF	16V
C1312	1-164-505-11	CERAMIC CHIP	2.2UF	16V	C4327	1-164-346-11	CERAMIC CHIP	1UF	16V
					C4328	1-164-346-11	CERAMIC CHIP	1UF	16V
C1322	1-136-161-00	FILM	0.047UF	5.00% 50V	C4329	1-126-963-11	ELECT	4.7UF	20.00% 50V
C1323	1-136-165-00	FILM	0.1UF	5.00% 50V					
C2200	1-126-964-11	ELECT	10UF	20.00% 50V	C4330	1-136-244-11	FILM	0.1UF	5.00% 50V
C2201	1-126-964-11	ELECT	10UF	20.00% 50V	C4331	1-126-959-11	ELECT	0.47UF	20.00% 50V
C2202	1-126-964-11	ELECT	10UF	20.00% 50V	C4332	1-136-161-00	FILM	0.047UF	5.00% 50V
G2202	1 126 062 11	EL ECE	4.57175	20 000/ 501/	C4333	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C2203	1-126-963-11	ELECT	4.7UF	20.00% 50V	C4334	1-126-967-11	ELECT	47UF	20.00% 50V
C2204	1-164-505-11	CERAMIC CHIP	2.2UF	16V	C/226	1 126 067 11	EI ECT	471 IE	20.00% 500
C2205 C2206	1-164-505-11 1-126-964-11	CERAMIC CHIP ELECT	2.2UF 10UF	16V 20.00% 50V	C4336 C4338	1-126-967-11 1-164-004-11	ELECT CERAMIC CHIP	47UF	20.00% 50V
C2206 C2207	1-126-964-11	CERAMIC CHIP	2.2UF	20.00% 50 V 16V	C4338 C4339	1-163-235-11	CERAMIC CHIP	0.1UF 22PF	10.00% 25V 5.00% 50V
C2201	1-104-303-11	CERAINIC CHIP	2.2UF	10 V	C4339 C4340	1-105-255-11	ELECT	100UF	20.00% 16V
C2208	1-164-505-11	CERAMIC CHIP	2.2UF	16V	C4340 C4341	1-120-933-11	CERAMIC CHIP	100CF 10PF	0.50PF 50V
C2208	1-126-968-11	ELECT	100UF	20.00% 50V	C+3+1	1 105-227-11	CLIVINIC CIII	1011	0.5011 50 4
C2301	1-126-965-11	ELECT	22UF	20.00% 50V 20.00% 50V	C4342	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C2303	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	C4343	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C2304	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	I				



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REF. NO.	PART NO.	DESCRIPTION		REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK
C4344	1-163-809-11	CERAMIC CHIP	0.047UF	10.00% 25V	C8338	1-164-346-11	CERAMIC CHIP	1UF	16V
C4345	1-126-967-11	ELECT	47UF	20.00% 50V	C8339	1-164-346-11	CERAMIC CHIP	1UF	16V
C4346	1-164-346-11	CERAMIC CHIP	1UF	16V	C8340	1-107-823-11	CERAMIC CHIP	0.47UF	10.00% 16V
					C8341	1-107-823-11	CERAMIC CHIP	0.47UF	10.00% 16V
C4348	1-164-346-11	CERAMIC CHIP	1UF	16V	C8342	1-126-964-11	ELECT	10UF	20.00% 50V
C4349	1-164-346-11	CERAMIC CHIP	1UF	16V					
C4350	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	C8343	1-104-664-11	ELECT	47UF	20.00% 16V
C4351	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50V	C8346	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C4352	1-126-967-11	ELECT	47UF	20.00% 50V	C8349	1-117-720-11	CERAMIC CHIP	4.7UF	10V
					C8354	1-107-823-11	CERAMIC CHIP	0.47UF	10.00% 16V
C4353	1-107-823-11	CERAMIC CHIP	0.47UF	10.00% 16V	C8355	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C4354	1-107-823-11	CERAMIC CHIP	0.47UF	10.00% 16V					
C4355	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	C8356	1-164-346-11	CERAMIC CHIP	1UF	16V
C4356	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	C8357	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C4357	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	C8358	1-164-346-11	CERAMIC CHIP	1UF	16V
					C8359	1-163-037-11	CERAMIC CHIP	0.022UF	10.00% 50V
C4358	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	C8361	1-126-961-11	ELECT	2.2UF	20.00% 50V
C4359	1-164-161-11	CERAMIC CHIP	0.0022UF	10.00% 50V					
C4360	1-126-963-11	ELECT	4.7UF	20.00% 50V	C8366	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C4362	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	C8367	1-104-664-11	ELECT	47UF	20.00% 16V
C4363	1-126-967-11	ELECT	47UF	20.00% 50V	C8368	1-104-664-11	ELECT	47UF	20.00% 16V
					C8369	1-104-664-11	ELECT	47UF	20.00% 16V
C4364	1-126-967-11	ELECT	47UF	20.00% 50V	C8370	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C4366	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V					
C4367	1-104-760-11	CERAMIC CHIP	0.047UF	10.00% 50V	C8371	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C4369	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	C8372	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C4370	1-126-967-11	ELECT	47UF	20.00% 50V	C8373	1-163-227-11	CERAMIC CHIP	10PF	0.50PF 50V
~					C8375	1-126-964-11	ELECT	10UF	20.00% 50V
C4371	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	C8376	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C4378	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V	G0055		ann i ra arm	4.7.77	4.77
C4380	1-163-037-11	CERAMIC CHIP	0.022UF	10.00% 50V	C8377	1-164-346-11	CERAMIC CHIP	1UF	16V
C4835	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	C8378	1-164-346-11	CERAMIC CHIP	1UF	16V
C4836	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	C8379	1-117-720-11	CERAMIC CHIP	4.7UF	10V
C1027	1 160 075 11	CED 11 HC CHIP	0.001115	5,000/ 501/	C8380	1-164-346-11	CERAMIC CHIP	1UF	16V
C4837	1-163-275-11	CERAMIC CHIP	0.001UF	5.00% 50V	C8381	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C8300	1-107-823-11	CERAMIC CHIP	0.47UF	10.00% 16V	G0202	1 164 004 11	CED 11 HC CHID	0.411	10.000/ 251/
C8301	1-163-133-00	CERAMIC CHIP	470PF	5.00% 50V	C8382	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C8302	1-163-133-00	CERAMIC CHIP	470PF	5.00% 50V	C8383	1-164-346-11	CERAMIC CHIP	1UF	16V
C8303	1-163-133-00	CERAMIC CHIP	470PF	5.00% 50V	C8384	1-164-346-11	CERAMIC CHIP	1UF	16V
C0204	1 162 122 00	CED AMIC CHID	470DE	5.000/ 50V	C8385	1-164-346-11	CERAMIC CHIP	1UF	16V
C8304	1-163-133-00	CERAMIC CHIP	470PF 470PF	5.00% 50V	C8386	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C8305 C8306	1-163-133-00 1-163-133-00	CERAMIC CHIP	470FF 470PF	5.00% 50V 5.00% 50V	C9200	1-126-963-11	ELECT	4.7UF	20.00% 50V
C8307	1-163-133-00	CERAMIC CHIP	470PF 470PF	5.00% 50V 5.00% 50V	C8390 C8391	1-120-903-11	CERAMIC CHIP	4.7UF 0.1UF	20.00% 30V 10.00% 25V
C8307	1-163-133-00	CERAMIC CHIP	470PF 470PF	5.00% 50V 5.00% 50V	C8391 C8392	1-164-004-11	CERAMIC CHIP		10.00% 25V 10.00% 25V
C8308	1-105-155-00	CERAMIC CHIP	4/UPF	3.00% 30V	C8392 C8393	1-164-004-11		0.1UF	
C9200	1-163-133-00	CED AMIC CHID	470PF	5.00% 50V			CERAMIC CHIP	0.1UF	10.00% 25V
C8309 C8310	1-163-133-00	CERAMIC CHIP CERAMIC CHIP	470PF 470PF	5.00% 50V 5.00% 50V	C8411	1-117-720-11	CERAMIC CHIP	4.7UF	10V
C8310 C8311	1-163-133-00	CERAMIC CHIP	470PF 1UF	5.00% 50V 16V	C8413	1-117-720-11	CERAMIC CHIP	4.7UF	10V
C8311 C8312	1-164-346-11	CERAMIC CHIP	1UF 1UF	16V 16V	C8413 C8430	1-117-720-11	CERAMIC CHIP	4.7UF 4.7UF	10V 10V
C8312	1-164-346-11	CERAMIC CHIP	1UF	16V 16V	C8430 C8431	1-117-720-11	CERAMIC CHIP	4.70F 47PF	5.00% 50V
C0313	1-104-540-11	CLICAWIIC CHIP	101	10 4	C8431 C8432	1-163-243-11	CERAMIC CHIP	33PF	5.00% 50V 5.00% 50V
C8314	1-164-346-11	CERAMIC CHIP	1UF	16V	C8441	1-164-346-11	CERAMIC CHIP	1UF	3.00% 30V 16V
C8314 C8317	1-164-340-11	CERAMIC CHIP	0.1UF	10.00% 25V	C0 11 1	1-104-240-11	CLIVAIVIIC CHIP	101	10 4
C8317	1-164-346-11	CERAMIC CHIP	1UF	10.00% 25 V 16V	C8446	1-104-664-11	ELECT	47UF	20.00% 16V
C8319	1-164-346-11	CERAMIC CHIP	1UF	16V 16V	C8447	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C8319	1-104-340-11	CERAMIC CHIP	4.7UF	10V 10V	C8448	1-164-690-91	CERAMIC CHIP	0.10F 0.0022UF	5.00% 50V
C0320	1-11/-/20-11	CLICAIVIIC CHIF	7.701	10 V	C8450	1-104-090-91	CERAMIC CHIP	0.0022UF 0.47UF	10.00% 16V
C8321	1-117-720-11	CERAMIC CHIP	4.7UF	10V	C8451	1-164-505-11	CERAMIC CHIP	2.2UF	16V
C8321	1-164-346-11	CERAMIC CHIP	1UF	16V	20731	1 104 505-11	CLICINIC CIII	2.201	101
C8323	1-164-346-11	CERAMIC CHIP	1UF	16V	C8452	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C8324	1-104-340-11	CERAMIC CHIP	4.7UF	10V 10V	C8453	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V 10.00% 25V
C8325	1-117-720-11	ELECT	4.701 470UF	20.00% 16V	C8454	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C0323	1 120 /33-11	LLLC I	1,001	20.0070101	C8455	1-104-664-11	ELECT	47UF	20.00% 16V
C8326	1-107-823-11	CERAMIC CHIP	0.47UF	10.00% 16V	C8456	1-104-664-11	ELECT	47UF	20.00% 16V 20.00% 16V
C8330	1-164-346-11	CERAMIC CHIP	1UF	16V	20.50	- 10.00111		01	_5.00,0101
C8331	1-164-346-11	CERAMIC CHIP	1UF	16V	C8457	1-104-664-11	ELECT	47UF	20.00% 16V
C8336	1-104-664-11	ELECT	47UF	20.00% 16V	C8459	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C8337	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	C8462	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
20331	1 101 007 11	CLIC IIIIC CIIII		10.00,0 20 1	20102	- 101 007 11	Januarine Cim	0.101	10.00/0 20 1



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK
		<connector></connector>		D8312	8-719-158-35	DIODE RD9.1S-B		
				D8313	8-719-158-35	DIODE RD9.1S-B		
CN1100*	1-785-608-11	PIN, CONNECTOR 4P		D8314	8-719-158-35	DIODE RD9.1S-B		
CN1108	1-793-494-11	CONNECTOR, BOARD TO BOARD 40)P	D8315	8-719-158-35	DIODE RD9.1S-B		
	1-564-507-11	PLUG, CONNECTOR 4P		D8316	8-719-158-35	DIODE RD9.1S-B		
	1-564-507-11	PLUG, CONNECTOR 4P						
CN1116	1-695-915-11	TAB (CONTACT)		D8320	8-719-158-35	DIODE RD9.1S-B		
CN11110	1 702 402 11	CONNECTOR ROADS TO BOARS 20	\D	D8321	8-719-158-35	DIODE RD9.1S-B		
	1-793-493-11 1-695-915-11	CONNECTOR, BOARD TO BOARD 20 TAB (CONTACT))P	D8322 D8323	8-719-158-35 8-719-158-35	DIODE RD9.1S-B DIODE RD9.1S-B		
	1-093-913-11	PLUG, CONNECTOR 10P		D8323 D8324	8-719-158-35	DIODE RD9.1S-B		
	1-764-333-11	PLUG, CONNECTOR 10P		D0324	0 717 150 55	DIODE RD7.15 B		
	1-695-915-11	TAB (CONTACT)		D8325	8-719-158-35	DIODE RD9.1S-B		
				D8331	8-719-041-97	DIODE MA113-(T	X)	
CN4500*	1-764-333-11	PLUG, CONNECTOR 10P						
CN8301*	1-764-333-11	PLUG, CONNECTOR 10P						
	1-564-511-11	PLUG, CONNECTOR 8P				<ferrite bead<="" td=""><td>></td><td></td></ferrite>	>	
CN8402	1-793-493-11	CONNECTOR, BOARD TO BOARD 20)P					
				FB002	1-414-233-22	INDUCTOR CHIP		
		DIODE		FB003	1-414-233-22	INDUCTOR CHIP		
		<diode></diode>		FB004	1-414-233-22	INDUCTOR CHIP		
D001	8-719-073-01	DIODE MA111-(K8).S0		FB005 FB006	1-414-233-22 1-414-233-22	INDUCTOR CHIP INDUCTOR CHIP		
D001 D002	8-719-073-01	DIODE MA111-(K8).S0		1.0000	1-414-233-22	INDUCTOR CITI	0011	
D002	8-719-073-01	DIODE MA111-(K8).S0		FB008	1-414-233-22	INDUCTOR CHIP	OUH	
D004	8-719-073-01	DIODE MA111-(K8).S0			1-216-295-11	SHORT	0	
D005	8-719-073-01	DIODE MA111-(K8).S0			1-410-397-21	FERRITE	1.1UH	
		,			1-216-295-11	SHORT	0	
D006	8-719-073-01	DIODE MA111-(K8).S0		FB4388	1-216-295-11	SHORT	0	
D007	8-719-158-18	DIODE RD5.6SB3						
D013	8-719-158-18	DIODE RD5.6SB3		FB4389	1-216-295-11	SHORT	0	
D100	8-719-073-01	DIODE MA111-(K8).S0						
D300	1-216-295-11	SHORT 0				EH TED		
D301	8-719-073-01	DIODE MA111 (V9) SO				<filter></filter>		
D301 D302	8-719-073-01	DIODE MA111-(K8).S0 DIODE MA111-(K8).S0		FL001	1-236-071-11	ENCAPSULATED	COMPONENT	
D302	8-719-073-01	DIODE MA111-(K8).S0		FL8301	1-236-071-11	ENCAPSULATED ENCAPSULATED		
D1200	8-719-978-69	DIODE DTZ.TT11-16B			1-236-071-11	ENCAPSULATED		
D1201	8-719-988-61	DIODE 1SS355TE-17		FL8304	1-236-071-11	ENCAPSULATED		
				FL8305	1-236-071-11	ENCAPSULATED	COMPONENT	
D1202	8-719-988-61	DIODE 1SS355TE-17						
D1203	8-719-073-01	DIODE MA111-(K8).S0		FL8311	1-236-071-11	ENCAPSULATED	COMPONENT	
D1204	8-719-073-01	DIODE MA111-(K8).S0						
D1216	8-719-073-01	DIODE MA111-(K8).S0				**		
D2200	8-719-158-35	DIODE RD9.1S-B				<ic></ic>		
D2201	8-719-158-35	DIODE RD9.1S-B		IC001	8-752-917-78	IC CXP750096-030	10	
D4303	8-719-109-72	DIODE RD9.13-B DIODE RD3.9ES-B2		IC001 IC002	8-759-663-29	IC MM1476AF(TP	•	
D4304	8-719-977-22	DIODE DTZ9.1		IC002	8-759-527-77	IC M24C16-MN6T		
D4305	8-719-977-22	DIODE DTZ9.1		IC100	8-759-042-02	IC S-80743AL-A7-		
D4306	8-719-073-01	DIODE MA111-(K8).S0		IC1200	8-759-100-96	IC UPC4558G2		
D4311	8-719-914-43	DIODE DAN202K		IC1201	8-759-678-92	IC BH3868AFS-E2		
D4312	8-719-914-43	DIODE DAN202K		IC1203	8-759-100-96	IC UPC4558G2		
D4313	8-719-401-63	DIODE MA3062M-TX		IC1204	8-759-690-61	IC AN7583Z		
D4314	8-719-073-01	DIODE MA111-(K8).S0		IC1205	8-759-711-10	IC NJU4066BM	,	
D8301	8-719-158-35	DIODE RD9.1S-B		IC1206	8-759-689-71	IC NJM2188M-TE	۷.	
D8302	8-719-158-35	DIODE RD9.1S-B		IC2200	8-759-745-64	IC NJM4560M		
D8302 D8303	8-719-158-35 8-719-158-35	DIODE RD9.1S-B		IC2200 IC2300	8-759-745-64 8-759-666-90	IC NJM4560M IC TDA9181T		
D8303	8-719-158-35	DIODE RD9.13-B DIODE RD9.1S-B		IC2500 IC2600	8-759-000-90	IC PQ09RF2		
D8305	8-719-158-35	DIODE RD9.1S-B		IC2601	8-759-065-07	IC PQ05RF2		
D8306	8-719-158-35	DIODE RD9.1S-B		IC2603	8-759-445-59	IC BA033T		
D8307	8-719-158-35	DIODE RD9.1S-B		IC2604	8-749-015-18	IC PQ07VZ012P		
D8308	8-719-158-35	DIODE RD9.1S-B		IC4301	8-752-090-87	IC CXA2100AQ		
D8309	8-719-158-35	DIODE RD9.1S-B		IC8302	8-752-080-04	IC CXA2069Q		
D8310	8-719-158-35	DIODE RD9.1S-B		IC8306	8-752-096-06	IC CXA2163Q-T6		
D8311	8-719-158-35	DIODE RD9.1S-B	·	IC8309	8-759-337-26	IC MM1115XFBE		



REF. NO	. PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
IC8310	9 750 572 04	IC TDA0179T/N1 1	110					<ic link=""></ic>	
IC8310 IC8312	8-759-572-04 8-759-485-79	IC TDA9178T/N1.1 IC TC7SET08FU(T						<ic link=""></ic>	
		(,			PS1201	1-533-597-41	LINK, IC	
		<jack></jack>							
10201	1 704 646 11	TEDMINAL C						<transistor></transistor>	
J8301 J8302	1-784-646-11 1-778-387-11	TERMINAL, S JACK BLOCK, PIN	J 12P			Q001	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR	
00002	1 //0 50/ 11	vi icii BEccii, i ii				Q002	8-729-230-49	TRANSISTOR 2SC2712-YG	
		CHID CONDUCT	YOD.			Q003	8-729-230-49	TRANSISTOR 2SC2712-YG	
		<chip conduct<="" td=""><td>UK></td><td></td><td></td><td>Q004 Q005</td><td>8-729-230-49 8-729-026-49</td><td>TRANSISTOR 2SC2712-YG TRANSISTOR 2SA1037AK-T146-QR</td><td></td></chip>	UK>			Q004 Q005	8-729-230-49 8-729-026-49	TRANSISTOR 2SC2712-YG TRANSISTOR 2SA1037AK-T146-QR	
JR001	1-216-295-11	SHORT	0					_	
JR102	1-216-295-11	SHORT	0			Q006	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR	
JR107	1-216-295-11	SHORT	0			Q007	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR	
JR1210	1-216-295-11	SHORT	0			Q008	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR1213	1-216-295-11	SHORT	0			Q101	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR	
								_	
JR1214	1-217-671-11	RES-CHIP	1	5%	1/10W	Q301	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR	
JR1215	1-216-295-11	SHORT	0			Q313	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR1216	1-216-295-11	SHORT	0			Q1203	8-729-027-44	TRANSISTOR DTC114TKA-T146	
JR1301	1-216-295-11	SHORT	0			Q1204	8-729-224-62	TRANSISTOR 2SK246GR	
JR4301	1-216-295-11	SHORT	0			Q1205	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR4302	1-216-295-11	SHORT	0			Q1206	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR4303	1-216-295-11	SHORT	0			Q1207	8-729-216-22	TRANSISTOR 2SA1162-G	
			_			Q1208	8-729-027-44	TRANSISTOR DTC114TKA-T146	
						Q1209	8-729-027-44	TRANSISTOR DTC114TKA-T146	
		<coil></coil>				Q1210	8-729-027-44	TRANSISTOR DTC114TKA-T146	
		(COIL)				Q1210	0-12)-021-44	TRANSISTOR DTCTT+TRA-1140	
L001	1-414-856-11	INDUCTOR	10UH			Q2200	1-801-806-11	TRANSISTOR DTC144EKA	
L002	1-414-856-11	INDUCTOR	10UH			Q2201	1-801-806-11	TRANSISTOR DTC144EKA	
L003	1-414-751-11	INDUCTOR	1UH			Q2304	8-729-421-19	TRANSISTOR UN2213	
L005	1-414-856-11	INDUCTOR	10UH			Q2305	8-729-230-49	TRANSISTOR 2SC2712-YG	
L006	1-412-525-31	INDUCTOR	10UH			Q2306	8-729-216-22	TRANSISTOR 2SA1162-G	
T 101	1 414 056 11	INDLICTOR	101111			02200	0.720.027.40	TD ANGICTOR 2CA 1027AV T14C OR	
L101	1-414-856-11	INDUCTOR	10UH			Q3300	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR	
L102	1-414-856-11	INDUCTOR	10UH			Q4300	8-729-422-33	TRANSISTOR 2SD601A-Q-TX	
L103	1-414-856-11	INDUCTOR	10UH			Q4301	8-729-230-49	TRANSISTOR 2SC2712-YG	
L104	1-414-856-11	INDUCTOR	10UH			Q4302	8-729-216-22	TRANSISTOR 2SA1162-G	
L105	1-414-856-11	INDUCTOR	10UH			Q4303	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L1200	1-414-856-11	INDUCTOR	10UH			Q4304	8-729-230-49	TRANSISTOR 2SC2712-YG	
L1201	1-414-856-11	INDUCTOR	10UH			Q4307	8-729-216-22	TRANSISTOR 2SA1162-G	
L1300	1-414-856-11	INDUCTOR	10UH			Q4308	8-729-216-22	TRANSISTOR 2SA1162-G	
L2300	1-414-856-11	INDUCTOR	10UH			Q4310	8-729-216-22	TRANSISTOR 2SA1162-G	
L3302	1-414-856-11	INDUCTOR	10UH			Q4311	8-729-216-22	TRANSISTOR 2SA1162-G	
L3303	1-414-856-11	INDUCTOR	10UH			Q4312	8-729-216-22	TRANSISTOR 2SA1162-G	
L3304	1-414-856-11	INDUCTOR	10UH			Q4313	8-729-422-33	TRANSISTOR 2SD601A-Q-TX	
L3305	1-414-856-11	INDUCTOR	10UH			Q4314	8-729-216-22	TRANSISTOR 25A1162-G	
L3306	1-414-856-11	INDUCTOR	10UH			Q4315	1-801-806-11	TRANSISTOR DTC144EKA	
L4301	1-412-029-11	INDUCTOR CHIP	10UH			Q4316	8-729-230-49	TRANSISTOR 2SC2712-YG	
L4302	1-412-029-11	INDUCTOR CHIP	101114			Q4317	8-729-900-53	TRANSISTOR DTC114EKA	
						-			
L4303	1-412-030-11	INDUCTOR CHIP				Q4318	8-729-230-49	TRANSISTOR 2SC2712-YG	
L4304	1-412-029-11	INDUCTOR CHIP				Q4319	8-729-216-22	TRANSISTOR 2SA1162-G	
L4305	1-412-029-11	INDUCTOR CHIP				Q4823	8-729-216-22	TRANSISTOR 2SA1162-G	
L4306	1-412-029-11	INDUCTOR CHIP	10UH			Q4824	8-729-216-22	TRANSISTOR 2SA1162-G	
L4308	1-412-031-11	INDUCTOR CHIP	47UH			O4825	8-729-230-49	TRANSISTOR 2SC2712-YG	
L4309	1-412-031-11	INDUCTOR CHIP				Q4826	8-729-230-49	TRANSISTOR 2SC2712-TG	
L4309 L4311	1-412-002-31	INDUCTOR CHIP				Q4820 Q8301	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR	
L8302	1-412-002-31	INDUCTOR CHIP	4.70H 47UH			Q8301 Q8302	8-729-230-49	TRANSISTOR 2SC2712-YG	
L8302 L8303	1-414-196-41	INDUCTOR	47UH 47UH			Q8302 Q8303	8-729-230-49	TRANSISTOR 2SC2712-YG	
10303	. 111 170 71	I.DOCTOR	., 011			20303	5 127 230 T)	1101010101010101112 10	
L8304	1-414-196-41	INDUCTOR	47UH			Q8304	8-729-230-49	TRANSISTOR 2SC2712-YG	
						Q8306	8-729-230-49	TRANSISTOR 2SC2712-YG	



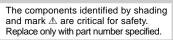
REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
Q8310	8-729-230-49	TRANSISTOR 2SO	C2712 VG			R033	1-216-033-00	RES-CHIP	220	5%	1/10W
				OD							
Q8319	8-729-026-49	TRANSISTOR 2S.		-		R035	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
Q8320	8-729-026-49	TRANSISTOR 2S.	A1037AK-T146	5-QR							
						R036	1-216-033-00	RES-CHIP	220	5%	1/10W
Q8321	8-729-026-49	TRANSISTOR 2S.	A1037AK-T146	5-QR		R037	1-216-033-00	RES-CHIP	220	5%	1/10W
Q8326	8-729-230-49	TRANSISTOR 2S		•		R038	1-216-045-00	RES-CHIP	680	5%	1/10W
Q8327	1-801-806-11	TRANSISTOR DT				R039	1-216-025-11	RES-CHIP	100	5%	1/10W
-											
Q8328	1-801-806-11	TRANSISTOR DT				R040	1-216-033-00	RES-CHIP	220	5%	1/10W
Q8329	8-729-230-49	TRANSISTOR 2S	C2712-YG								
						R041	1-216-025-11	RES-CHIP	100	5%	1/10W
Q8330	8-729-230-49	TRANSISTOR 2S	C2712-YG			R042	1-216-295-11	SHORT	0		
Q8331	8-729-230-49	TRANSISTOR 2SO	C2712-YG			R043	1-216-025-11	RES-CHIP	100	5%	1/10W
Q8332	8-729-230-49	TRANSISTOR 2S				R044	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
Q8333	8-729-230-49	TRANSISTOR 2S				R045	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
						K043	1-210-005-91	KES-CIII	4. / IX	370	1/10 VV
Q8334	8-729-230-49	TRANSISTOR 2S	C2/12-YG								
						R046	1-216-033-00	RES-CHIP	220	5%	1/10W
Q8335	8-729-230-49	TRANSISTOR 2S	C2712-YG			R047	1-216-033-00	RES-CHIP	220	5%	1/10W
Q8336	8-729-230-49	TRANSISTOR 2S	C2712-YG			R048	1-216-073-00	RES-CHIP	10K	5%	1/10W
Q8337	8-729-230-49	TRANSISTOR 2SO	C2712-YG			R051	1-216-049-11	RES-CHIP	1K	5%	1/10W
Q8344	8-729-026-49	TRANSISTOR 2S.		-OR		R052	1-216-049-11	RES-CHIP	1K	5%	1/10W
				-QIC		1032	1-210-047-11	KL5-CIII	IX	370	1/10 **
Q8351	8-729-230-49	TRANSISTOR 2S	C2/12-YG								
						R053	1-216-049-11	RES-CHIP	1K	5%	1/10W
Q8352	8-729-026-49	TRANSISTOR 2S.	A1037AK-T146	5-QR		R054	1-216-049-11	RES-CHIP	1K	5%	1/10W
Q8358	1-801-806-11	TRANSISTOR DT	C144EKA			R055	1-216-295-11	SHORT	0		
Q8359	1-801-806-11	TRANSISTOR DT	C144EKA			R058	1-216-295-11	SHORT	0		
Q8360	1-801-806-11	TRANSISTOR DT				R060	1-216-089-11	RES-CHIP	47K	5%	1/10W
-						Kooo	1-210-009-11	KES-CIII	4/K	370	1/10 vv
Q8361	8-729-230-49	TRANSISTOR 2S	C2/12-YG								
						R061	1-216-025-11	RES-CHIP	100	5%	1/10W
Q8362	8-729-230-49	TRANSISTOR 2S	C2712-YG			R062	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
Q8363	8-729-230-49	TRANSISTOR 2S	C2712-YG			R063	1-216-025-11	RES-CHIP	100	5%	1/10W
Q8364	8-729-026-49	TRANSISTOR 2S.	A1037AK-T146	-OR		R064	1-216-025-11	RES-CHIP	100	5%	1/10W
2000.	0 /2/ 020 1/	11011 1010 1011 201	110071111 1110	, V 1.		R065	1-216-045-00	RES-CHIP	680	5%	1/10W
						1003	1-210-043-00	KL5-CIII	000	370	1/10 **
		DEGIGEO D				2000	4.046.040.44	DEG GIVE	4.77	- 0.	4 /4 0777
		<resistor></resistor>				R066	1-216-049-11	RES-CHIP	1K	5%	1/10W
						R068	1-216-073-00	RES-CHIP	10K	5%	1/10W
R001	1-216-033-00	RES-CHIP	220	5%	1/10W	R069	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R002	1-216-033-00	RES-CHIP	220	5%	1/10W	R070	1-216-033-00	RES-CHIP	220	5%	1/10W
R004	1-216-295-11	SHORT	0			R071	1-216-025-11	RES-CHIP	100	5%	1/10W
R005	1-216-295-11	SHORT	0			1071	1 210 025 11	RED CITI	100	570	1/10//
				5 0/	1 /1 0337	D070	1 216 025 11	DEC CIUD	100	50/	1 /1 0337
R006	1-216-025-11	RES-CHIP	100	5%	1/10W	R072	1-216-025-11	RES-CHIP	100	5%	1/10W
						R073	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R008	1-216-065-91	RES-CHIP		5%	1/10W	R074	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R010	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R075	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R011	1-216-065-91	RES-CHIP		5%	1/10W	R076	1-216-295-11	SHORT	0		
R012	1-216-061-00	RES-CHIP			1/10W						
R013	1-216-065-91	RES-CHIP			1/10W	R077	1-216-025-11	RES-CHIP	100	5%	1/10W
K015	1-210-003-91	кез-спіг	4./K	3%	1/10 W					3%	1/10 W
						R078	1-216-295-11	SHORT	0		
R014	1-216-025-11	RES-CHIP			1/10W	R079	1-216-025-11	RES-CHIP	100	5%	1/10W
R015	1-216-025-11	RES-CHIP	100	5%	1/10W	R080	1-216-063-91	RES-CHIP	3.9K	5%	1/10W
R016	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R081	1-216-025-11	RES-CHIP	100	5%	1/10W
R017	1-216-049-11	RES-CHIP	1K	5%	1/10W						
R018	1-216-045-00	RES-CHIP			1/10W	R082	1-216-041-00	RES-CHIP	470	5%	1/10W
KOIO	1-210-0-3-00	KL5-CIII		570	1/10 **	R083	1-216-049-11	RES-CHIP	1K		1/10W
2010		DEG GIVE	477		4 /4 0777					5%	
R019	1-216-049-11	RES-CHIP			1/10W	R084	1-216-049-11	RES-CHIP	1K	5%	1/10W
R020	1-216-057-00	RES-CHIP		5%	1/10W	R085	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W
R021	1-216-295-11	SHORT	0			R086	1-216-073-00	RES-CHIP	10K	5%	1/10W
R022	1-216-033-00	RES-CHIP	220	5%	1/10W						
R023	1-216-025-11	RES-CHIP			1/10W	R087	1-216-033-00	RES-CHIP	220	5%	1/10W
11023	1 210 023 11			2 /0	1,1011	R088	1-216-033-00	RES-CHIP	1K	5%	1/10W
D004	1 016 060 61	DEC CUID	2.017	50/	1/10337						
R024	1-216-063-91	RES-CHIP			1/10W	R093	1-216-073-00	RES-CHIP	10K	5%	1/10W
R025	1-216-049-11	RES-CHIP		5%	1/10W	R094	1-216-073-00	RES-CHIP	10K	5%	1/10W
R026	1-216-049-11	RES-CHIP	1K	5%	1/10W	R095	1-216-049-11	RES-CHIP	1K	5%	1/10W
R027	1-216-049-11	RES-CHIP			1/10W						
R028	1-216-049-11	RES-CHIP			1/10W	R096	1-216-049-11	RES-CHIP	1K	5%	1/10W
11020	1 210 047-11	ALS CIII		270	2, 10 //	R097	1-216-045-11	RES-CHIP	100		1/10W
Dooc	1.016.040.45	DEG CUID	117	50/	1/10337					5%	
R029	1-216-049-11	RES-CHIP			1/10W	R098	1-216-025-11	RES-CHIP	100	5%	1/10W
R031	1-216-033-00	RES-CHIP			1/10W	R099	1-216-025-11	RES-CHIP	100	5%	1/10W
R032	1-216-049-11	RES-CHIP	1K	5%	1/10W	R101	1-216-025-11	RES-CHIP	100	5%	1/10W



REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
R102	1-216-025-11	RES-CHIP	100	5%	1/10W	R1243	1-216-097-11	RES-CHIP	100K	5%	1/10W
R105	1-216-295-11	SHORT	0			R1244	1-216-049-11	RES-CHIP	1K	5%	1/10W
R107	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1245	1-216-073-00	RES-CHIP	10K	5%	1/10W
R109	1-216-041-00	RES-CHIP	470	5%	1/10W						
R110	1-216-043-91	RES-CHIP	560	5%	1/10W	R1246	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
						R1247	1-216-049-11	RES-CHIP	1K	5%	1/10W
R111	1-216-025-11	RES-CHIP	100	5%	1/10W	R1248	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
R112	1-216-025-11	RES-CHIP	100	5%	1/10W	R1249	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R116	1-216-025-11	RES-CHIP	100	5%	1/10W	R1250	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
R117	1-216-025-11	RES-CHIP	100	5%	1/10W						
R118	1-216-025-11	RES-CHIP	100	5%	1/10W	R1251	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
D110	1.016.017.01	DEG CHID	47	50/	1 /1 0117	R1252	1-216-073-00	RES-CHIP	10K	5%	1/10W
R119	1-216-017-91	RES-CHIP	47	5%	1/10W	R1253	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R121	1-216-017-91	RES-CHIP	47	5%	1/10W	R1254	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R123	1-216-025-11	RES-CHIP	100	5%	1/10W	R1256	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R124 R301	1-216-025-11	RES-CHIP RES-CHIP	100 470K	5% 5%	1/10W	R1257	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
K301	1-216-113-00	кез-спіг	4/UK	3%	1/10W	R1257 R1258	1-216-063-91	RES-CHIP	4.7K 10K	5%	1/10W 1/10W
R302	1-216-089-11	RES-CHIP	47K	5%	1/10W	R1259	1-216-073-00	RES-CHIP	10K 1K	5%	1/10W 1/10W
R302	1-216-089-11	RES-CHIP	47K 47K	5%	1/10W 1/10W	R1260	1-216-041-00	RES-CHIP	470	5%	1/10W
R1200	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R1262	1-249-389-11	CARBON	4.7	5%	1/4W
R1200	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	K1202	1 247 307 11	CHILDON	4.7	370	1/4**
R1202	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R1263	1-216-073-00	RES-CHIP	10K	5%	1/10W
111202	1 210 001 00	rado Crim	3.311	570	1,1011	R1265	1-249-397-11	CARBON	22	5%	1/4W
R1203	1-216-049-11	RES-CHIP	1K	5%	1/10W	R1268	1-249-397-11	CARBON	22	5%	1/4W
R1204	1-216-049-11	RES-CHIP	1K	5%	1/10W	R1288	1-216-121-11	RES-CHIP	1M	5%	1/10W
R1205	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1289	1-216-121-11	RES-CHIP	1M	5%	1/10W
R1206	1-216-073-00	RES-CHIP	10K	5%	1/10W						
R1207	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R1290	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
						R1291	1-216-091-00	RES-CHIP	56K	5%	1/10W
R1210	1-216-095-00	RES-CHIP	82K	5%	1/10W	R1292	1-216-085-00	RES-CHIP	33K	5%	1/10W
R1211	1-216-053-00	RES-CHIP	1.5K	5%	1/10W	R1293	1-216-089-11	RES-CHIP	47K	5%	1/10W
R1212	1-216-091-00	RES-CHIP	56K	5%	1/10W	R1294	1-216-025-11	RES-CHIP	100	5%	1/10W
R1213	1-216-085-00	RES-CHIP	33K	5%	1/10W						
R1214	1-216-129-00	RES-CHIP	2.2M	5%	1/10W	R2200	1-216-021-00	RES-CHIP	68	5%	1/10W
						R2201	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1215	1-216-091-00	RES-CHIP	56K	5%	1/10W	R2202	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1216	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	R2203	1-216-021-00	RES-CHIP	68	5%	1/10W
R1217	1-216-053-00	RES-CHIP	1.5K	5%	1/10W	R2204	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1218 R1219	1-216-053-00 1-216-057-00	RES-CHIP RES-CHIP	1.5K 2.2K	5% 5%	1/10W 1/10W	R2205	1-216-097-11	RES-CHIP	100K	5%	1/10W
K1219	1-210-037-00	кез-спіг	2.2 K	370	1/10 W	R2206	1-216-097-11	RES-CHIP	680K	5%	1/10W 1/10W
R1220	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2207	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1221	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	R2208	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1222	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	R2209	1-216-117-00	RES-CHIP	680K	5%	1/10W
R1223	1-216-073-00	RES-CHIP	10K	5%	1/10W	11220)	1 210 117 00	RES CITI	00011	570	1/1011
R1224	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2210	1-216-089-11	RES-CHIP	47K	5%	1/10W
						R2211	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1225	1-216-071-00	RES-CHIP	8.2K	5%	1/10W	R2212	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1227	1-216-071-00	RES-CHIP	8.2K	5%	1/10W	R2213	1-216-089-11	RES-CHIP	47K	5%	1/10W
R1228	1-249-405-11	CARBON	100	5%	1/4W	R2214	1-216-089-11	RES-CHIP	47K	5%	1/10W
R1229	1-249-405-11	CARBON	100	5%	1/4W						
R1230	1-249-405-11	CARBON	100	5%	1/4W	R2215	1-216-089-11	RES-CHIP	47K	5%	1/10W
						R2310	1-216-033-00	RES-CHIP	220	5%	1/10W
R1231	1-216-295-11	SHORT	0			R2311	1-216-033-00	RES-CHIP	220	5%	1/10W
R1232	1-216-081-00	RES-CHIP	22K	5%	1/10W	R2312	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1233	1-216-093-91	RES-CHIP	68K	5%	1/10W	R2313	1-216-041-00	RES-CHIP	470	5%	1/10W
R1234	1-216-097-11	RES-CHIP	100K	5%	1/10W						
R1235	1-216-093-91	RES-CHIP	68K	5%	1/10W	R2314	1-216-029-00	RES-CHIP	150	5%	1/10W
D1006	1 217 001 00	DEC CUID	2217	FO/	1/1037	R2315	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1236	1-216-081-00	RES-CHIP	22K	5% 5%	1/10W	R2316	1-218-179-11	RES-CHIP	10M	5%	1/10W
R1237	1-216-097-11	RES-CHIP	100K	5% 5%	1/10W	R2603	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W
R1238 R1239	1-216-073-00 1-216-073-00	RES-CHIP RES-CHIP	10K 10K	5% 5%	1/10W 1/10W	R2604	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W
R1239 R1240	1-216-0/3-00	RES-CHIP	470	5% 5%	1/10W 1/10W	R2605	1-216-371-00	METAL OXIDE	1.5	5%	2W
K1240	1-210-041-00	NLO-CIII	7/0	J 70	1/ 10 **	R3300	1-216-371-00	RES-CHIP	560	5%	2 w 1/10W
R1241	1-216-295-11	SHORT	0			R3304	1-216-043-91	RES-CHIP	470	5%	1/10W 1/10W
R1241 R1242	1-216-293-11	RES-CHIP	4.7K	5%	1/10W	R3320	1-216-041-00	RES-CHIP	10K	5%	1/10W
	1 110 000 71			2,0		R3323	1-216-025-11	RES-CHIP	100	5%	1/10W



REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R3334	1-216-025-11	RES-CHIP	100	5%	1/10W	R4374	1-216-025-11	RES-CHIP	100	5%	1/10W
R3362	1-216-025-11	RES-CHIP	100	5%	1/10W	R4375	1-216-025-11	RES-CHIP	166 1K	5%	1/10W
R3374	1-216-295-11	SHORT	0	370	1/10 VV	K4373	1-210-049-11	KE5-CIII	IK	370	1/10 W
R4300	1-216-025-11	RES-CHIP	100	5%	1/10W	R4376	1-216-025-11	RES-CHIP	100	5%	1/10W
R4301	1-216-025-11	RES-CHIP	100	5%	1/10W	R4377	1-216-049-11	RES-CHIP	160 1K	5%	1/10W
104501	1 210 023 11	KLS CIII	100	370	1/10 **	R4380	1-216-073-00	RES-CHIP	10K	5%	1/10W
R4302	1-216-025-11	RES-CHIP	100	5%	1/10W	R4381	1-208-854-11	METAL CHIP	1M	0.5%	1/10W
R4303	1-216-025-11	RES-CHIP	100	5%	1/10W	R4382	1-216-073-00	RES-CHIP	10K	5%	1/10W
R4304	1-216-025-11	RES-CHIP	100	5%	1/10W	1002	1 210 073 00	ices cim	1011	570	1,1011
R4305	1-216-025-11	RES-CHIP	100	5%	1/10W	R4383	1-216-079-00	RES-CHIP	18K	5%	1/10W
R4308	1-216-295-11	SHORT	0	370	1/10 1/	R4384	1-216-025-11	RES-CHIP	100	5%	1/10W
11.500	1 210 200 11	5110111	Ü			R4385	1-208-837-11	METAL CHIP	200K	0.5%	1/10W
R4310	1-216-295-11	SHORT	0			R4387	1-216-295-11	SHORT	0		
R4312	1-216-295-11	SHORT	0			R4388	1-216-295-11	SHORT	0		
R4313	1-216-065-91	RES-CHIP	4.7K	5%	1/10W						
R4314	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R4389	1-216-295-11	SHORT	0		
R4316	1-216-069-00	RES-CHIP	6.8K	5%	1/10W	R4390	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
						R4391	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R4317	1-216-081-00	RES-CHIP	22K	5%	1/10W	R4392	1-216-089-11	RES-CHIP	47K	5%	1/10W
R4318	1-208-810-11	METAL CHIP	15K	0.5%	1/10W	R4395	1-216-295-11	SHORT	0		
R4319	1-208-810-11	METAL CHIP	15K	0.5%	1/10W						
R4320	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W	R4396	1-216-295-11	SHORT	0		
R4321	1-216-298-00	RES-CHIP	2.2	5%	1/10W	R4397	1-216-295-11	SHORT	0		
						R4399	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W
R4323	1-208-814-91	METAL CHIP	22K	0.5%	1/10W	R4401	1-216-105-91	RES-CHIP	220K	5%	1/10W
R4324	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W	R4402	1-208-851-11	METAL CHIP	750K	0.5%	1/10W
R4325	1-208-818-11	METAL CHIP	33K	0.5%	1/10W						
R4326	1-208-826-11	METAL CHIP	68K	0.5%	1/10W	R4403	1-216-049-11	RES-CHIP	1K	5%	1/10W
R4327	1-208-822-11	METAL CHIP	47K	0.5%	1/10W	R4404	1-208-814-91	METAL CHIP	22K	0.5%	1/10W
						R4406	1-216-097-11	RES-CHIP	100K	5%	1/10W
R4329	1-208-782-11	METAL CHIP	1K	0.5%	1/10W	R4408	1-208-802-11	METAL CHIP	6.8K	0.5%	1/10W
R4330	1-216-089-11	RES-CHIP	47K	5%	1/10W	R4409	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R4335	1-216-025-11	RES-CHIP	100	5%	1/10W	D		A COUNTY OF THE		0.50	4 /4 0***
R4336	1-216-025-11	RES-CHIP	100	5%	1/10W	R4411	1-208-802-11	METAL CHIP	6.8K	0.5%	1/10W
R4337	1-216-025-11	RES-CHIP	100	5%	1/10W	R4412	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
D 4220	1 216 041 00	DEG CHID	470	50/	1/10337	R4413	1-208-825-11	METAL CHIP	62K	0.5%	1/10W
R4338	1-216-041-00	RES-CHIP	470	5%	1/10W	R4504	1-216-295-11	SHORT	0		
R4339 R4341	1-216-051-00 1-216-295-11	RES-CHIP SHORT	1.2K 0	5%	1/10W	R4505	1-216-295-11	SHORT	0		
R4343	1-216-295-11	RES-CHIP	100	5%	1/10W	R4506	1-216-295-11	SHORT	0		
R4344	1-216-025-11	RES-CHIP	100	5%	1/10W	R4518	1-216-295-11	RES-CHIP	100	5%	1/10W
KTJTT	1-210-025-11	KL5-CIII	100	370	1/10**	R4519	1-216-073-00	RES-CHIP	10K	5%	1/10W
R4345	1-216-075-00	RES-CHIP	12K	5%	1/10W	R4908	1-216-049-11	RES-CHIP	1K	5%	1/10W
R4346	1-208-812-11	METAL CHIP	18K	0.5%	1/10W	R4909	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R4347	1-216-025-11	RES-CHIP	100	5%	1/10W	11.7.77				-,-	-,
R4348	1-216-025-11	RES-CHIP	100	5%	1/10W	R4910	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R4349	1-216-041-00	RES-CHIP	470	5%	1/10W	R4911	1-208-818-11	METAL CHIP	33K	0.5%	1/10W
						R4912	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
R4350	1-216-025-11	RES-CHIP	100	5%	1/10W	R4913	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
R4351	1-216-081-00	RES-CHIP	22K	5%	1/10W	R4914	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R4352	1-216-041-00	RES-CHIP	470	5%	1/10W						
R4353	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	R8300	1-216-081-00	RES-CHIP	22K	5%	1/10W
R4354	1-208-806-11	METAL CHIP	10K	0.5%	1/10W	R8301	1-216-041-00	RES-CHIP	470	5%	1/10W
						R8302	1-216-041-00	RES-CHIP	470	5%	1/10W
R4357	1-216-073-00	RES-CHIP	10K	5%	1/10W	R8303	1-216-021-00	RES-CHIP	68	5%	1/10W
R4358	1-216-071-00	RES-CHIP	8.2K	5%	1/10W	R8304	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R4359	1-216-043-91	RES-CHIP	560	5%	1/10W						
R4360	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R8305	1-216-113-00	RES-CHIP	470K	5%	1/10W
R4361	1-216-133-00	RES-CHIP	3.3M	5%	1/10W	R8306	1-216-022-00	RES-CHIP	75	5%	1/10W
D 46		DEG 01	100	 .	4.4.0***	R8307	1-216-022-00	RES-CHIP	75	5%	1/10W
R4363	1-216-025-11	RES-CHIP	100	5%	1/10W	R8308	1-216-105-91	RES-CHIP	220K	5%	1/10W
R4365	1-216-025-11	RES-CHIP	100	5%	1/10W	R8309	1-216-105-91	RES-CHIP	220K	5%	1/10W
R4366	1-216-025-11	RES-CHIP	100	5%	1/10W	D0210	1 217 022 02	DEC CIUD	75	50/	1/10337
R4367	1-216-025-11	RES-CHIP	100	5%	1/10W	R8310	1-216-022-00	RES-CHIP	75	5%	1/10W
R4369	1-216-025-11	RES-CHIP	100	5%	1/10W	R8311	1-216-105-91	RES-CHIP	220K	5%	1/10W
D 4270	1-216-049-11	RES-CHIP	1K	50/	1/10W/	R8312 R8313	1-216-105-91 1-216-022-00	RES-CHIP	220K 75	5% 5%	1/10W
R4370 R4372	1-216-049-11	RES-CHIP	1K 1K	5% 5%	1/10W 1/10W	R8313	1-216-022-00	RES-CHIP RES-CHIP	75 220K	5% 5%	1/10W 1/10W
R4372 R4373	1-216-049-11	SHORT	0	J 70	1/1044	10314	1-210-105-71	KES-CHIF	220 K	J 70	1/10 48
13/3	1-410-473-11	DITOKI	U								





REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
R8315	1-216-105-91	RES-CHIP	220K	5%	1/10W	R8395	1-216-033-00	RES-CHIP	220	5%	1/10W
R8316	1-216-113-00	RES-CHIP	470K	5%	1/10W	R8396	1-216-033-00	RES-CHIP	220	5%	1/10W
R8321	1-216-025-11	RES-CHIP	100	5%	1/10W						
R8322	1-216-022-00	RES-CHIP	75	5%	1/10W	R8399	1-216-025-11	RES-CHIP	100	5%	1/10W
R8323	1-216-295-11	SHORT	0			R8400	1-216-025-11	RES-CHIP	100	5%	1/10W
						R8411	1-216-083-00	RES-CHIP	27K	5%	1/10W
R8324	1-216-295-11	SHORT	0			R8414	1-208-796-11	METAL CHIP	3.9K	0.5%	1/10W
R8325	1-216-295-11	SHORT	0		4 /4 0777	R8415	1-216-049-11	RES-CHIP	1K	5%	1/10W
R8326	1-216-113-00	RES-CHIP	470K	5%	1/10W						
R8327	1-216-295-11	SHORT	0			R8417	1-216-025-11	RES-CHIP	100	5%	1/10W
R8328	1-216-113-00	RES-CHIP	470K	5%	1/10W	R8418	1-216-025-11	RES-CHIP	100	5%	1/10W
						R8419	1-216-017-91	RES-CHIP	47	5%	1/10W
R8329	1-216-113-00	RES-CHIP	470K	5%	1/10W	R8420	1-216-017-91	RES-CHIP	47	5%	1/10W
R8330	1-216-022-00	RES-CHIP	75	5%	1/10W	R8435	1-216-295-11	SHORT	0	570	1/10//
						K0433	1-210-293-11	SHOKI	U		
R8331	1-216-025-11	RES-CHIP	100	5%	1/10W						
R8332	1-216-025-11	RES-CHIP	100	5%	1/10W	R8441	1-216-049-11	RES-CHIP	1K	5%	1/10W
R8333	1-216-025-11	RES-CHIP	100	5%	1/10W	R8442	1-216-049-11	RES-CHIP	1K	5%	1/10W
						R8446	1-216-049-11	RES-CHIP	1K	5%	1/10W
R8334	1-216-295-11	SHORT	0			R8447	1-216-025-11	RES-CHIP	100	5%	1/10W
R8336	1-216-295-11	SHORT	0			R8448	1-216-025-11	RES-CHIP	100	5%	1/10W
R8337	1-216-022-00	RES-CHIP	75	50/	1/10W	10440	1-210-023-11	KL5-CIII	100	370	1/10 **
				5%		20110		DEG 0111D	100		4 /4 0777
R8338	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R8449	1-216-025-11	RES-CHIP	100	5%	1/10W
R8339	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R8450	1-216-089-11	RES-CHIP	47K	5%	1/10W
						R8451	1-216-097-11	RES-CHIP	100K	5%	1/10W
R8340	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R8452	1-216-089-11	RES-CHIP	47K	5%	1/10W
R8341	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R8453	1-216-097-11	RES-CHIP	100K	5%	1/10W
R8342	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	10433	1 210 077 11	KLS CIII	1001	370	1/10 11
						D0454	1 21 6 000 11	DEG CIMD	4077	50/	1 /1 0117
R8343	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R8454	1-216-089-11	RES-CHIP	47K	5%	1/10W
R8344	1-216-022-00	RES-CHIP	75	5%	1/10W	R8455	1-216-097-11	RES-CHIP	100K	5%	1/10W
						R8464	1-216-025-11	RES-CHIP	100	5%	1/10W
R8345	1-216-033-00	RES-CHIP	220	5%	1/10W	R8465	1-216-025-11	RES-CHIP	100	5%	1/10W
R8346	1-216-031-00	RES-CHIP	180	5%	1/10W	R8466	1-216-025-11	RES-CHIP	100	5%	1/10W
R8347	1-216-025-11	RES-CHIP	100	5%	1/10W	100	1 210 023 11	KES CIII	100	570	1/10//
						D0467	1 216 041 00	DEC CIUD	470	50/	1 /1 0337
R8348	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R8467	1-216-041-00	RES-CHIP	470	5%	1/10W
R8349	1-216-049-11	RES-CHIP	1 K	5%	1/10W	R8468	1-216-041-00	RES-CHIP	470	5%	1/10W
						R8469	1-216-041-00	RES-CHIP	470	5%	1/10W
R8350	1-216-049-11	RES-CHIP	1 K	5%	1/10W	R8470	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
R8351	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R8471	1-216-025-11	RES-CHIP	100	5%	1/10W
R8352	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	10.71	1 210 020 11	TALLO CITT	100	0,0	1,1011
R8353			4.7K 4.7K			D0470	1-216-089-11	RES-CHIP	47K	5%	1/10W
	1-216-065-91	RES-CHIP		5%	1/10W	R8478					
R8354	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R8479	1-216-097-11	RES-CHIP	100K	5%	1/10W
						R8480	1-216-073-00	RES-CHIP	10K	5%	1/10W
R8355	1-216-295-11	SHORT	0			R8481	1-216-095-00	RES-CHIP	82K	5%	1/10W
R8356	1-216-295-11	SHORT	0			R8482	1-216-089-11	RES-CHIP	47K	5%	1/10W
R8357	1-216-017-91	RES-CHIP	47	5%	1/10W						
R8358	1-216-017-91	RES-CHIP	47	5%	1/10W	R8484	1-216-045-00	RES-CHIP	680	5%	1/10W
R8361	1-216-017-91	RES-CHIP	47	5%	1/10W	R8485	1-216-037-00	RES-CHIP	330	5%	1/10W
						R8486	1-216-049-11	RES-CHIP	1K	5%	1/10W
R8364	1-216-041-00	RES-CHIP	470	5%	1/10W	R8487	1-216-045-00	RES-CHIP	680	5%	1/10W
R8365	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	R8488	1-216-041-00	RES-CHIP	470	5%	1/10W
R8366	1-216-067-00	RES-CHIP	5.6K	5%	1/10W						
R8367	1-216-041-00	RES-CHIP	470	5%	1/10W	R8489	1-216-049-11	RES-CHIP	1K	5%	1/10W
			100				1-216-049-11	RES-CHIP	1K	5%	1/10W
R8370	1-216-025-11	RES-CHIP	100	5%	1/10W	R8490					
						R8491	1-216-025-11	RES-CHIP	100	5%	1/10W
R8372	1-216-295-11	SHORT	0			R8492	1-216-041-00	RES-CHIP	470	5%	1/10W
R8373	1-216-295-11	SHORT	0			R8493	1-216-081-00	RES-CHIP	22K	5%	1/10W
R8376	1-216-049-11	RES-CHIP	1K	5%	1/10W						
R8377	1-216-025-11	RES-CHIP	100	5%	1/10W	R8494	1-216-041-00	RES-CHIP	470	5%	1/10W
R8378			220				1-216-041-00	RES-CHIP	22K	5%	1/10W
N03/8	1-216-033-00	RES-CHIP	220	5%	1/10W	R8495					
						R8496	1-216-049-11	RES-CHIP	1K	5%	1/10W
R8379	1-216-033-00	RES-CHIP	220	5%	1/10W	R8497	1-216-025-11	RES-CHIP	100	5%	1/10W
R8380	1-216-025-11	RES-CHIP	100	5%	1/10W	R8498	1-216-043-91	RES-CHIP	560	5%	1/10W
R8381	1-216-025-11	RES-CHIP	100	5%	1/10W						
R8382	1-216-033-00	RES-CHIP	220	5%	1/10W	R8499	1-216-081-00	RES-CHIP	22K	5%	1/10W
R8383	1-216-033-00	RES-CHIP	220	5%	1/10W	R8500	1-216-033-00	RES-CHIP	220	5%	1/10W
						R8501	1-216-081-00	RES-CHIP	22K	5%	1/10W
R8384	1-216-025-11	RES-CHIP	100	5%	1/10W	R8502	1-216-049-11	RES-CHIP	1K	5%	1/10W
R8388	1-216-031-00	RES-CHIP	180	5%	1/10W	R8507	1-216-025-11	RES-CHIP	100	5%	1/10W
R8389	1-216-033-00	RES-CHIP	220	5%	1/10W	I					
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REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK
R8508	1-216-025-11	RES-CHIP	100	5%	1/10W	C524	1-124-779-00	ELECT CHIP	10UF	20.00% 16V
R8513	1-216-039-00	RES-CHIP	390	5%	1/10W	C525	1-126-394-11	ELECT CHIP	10UF	20.00% 16V
R8514	1-216-039-00	RES-CHIP	390	5%	1/10W					
R8515	1-216-295-11	SHORT	0			C526	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
R8516	1-216-049-11	RES-CHIP	1K	5%	1/10W	C527	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
						C528	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
R8518	1-216-047-91	RES-CHIP	820	5%	1/10W	C539	1-126-204-11	ELECT CHIP	47UF	20.00% 16V
R8519	1-216-047-91	RES-CHIP	820	5%	1/10W	C540	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
R8536	1-216-025-11	RES-CHIP	100	5%	1/10W					
R8538	1-216-041-00	RES-CHIP	470	5%	1/10W	C543	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
R8540	1-216-041-00	RES-CHIP	470	5%	1/10W	C545	1-126-396-11	ELECT CHIP	47UF	20.00% 16V
						C546	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
R8541	1-216-039-00	RES-CHIP	390	5%	1/10W	C548	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
R8551	1-216-049-11	RES-CHIP	1K	5%	1/10W	C549	1-126-204-11	ELECT CHIP	47UF	20.00% 16V
R8576	1-216-013-00	RES-CHIP	33	5%	1/10W					
R8577	1-216-295-11	SHORT	0			C550	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
R8578	1-216-033-00	RES-CHIP	220	5%	1/10W	C551	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
						C554	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
R8579	1-216-295-11	SHORT	0			C555	1-163-038-11	CERAMIC CHIP	0.1UF	25V
R8582	1-208-291-11	RES-CHIP	4.7M	5%	1/10W	C556	1-126-396-11	ELECT CHIP	47UF	20.00% 16V
R8583	1-208-291-11	RES-CHIP	4.7M	5%	1/10W					
R8584	1-208-291-11	RES-CHIP	4.7M	5%	1/10W	C557	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
R8593	1-216-025-11	RES-CHIP	100	5%	1/10W	C559	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
						C560	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
		mr n rep				C601	1-126-394-11	ELECT CHIP	10UF	20.00% 16V
		<tuner></tuner>				C602	1-126-394-11	ELECT CHIP	10UF	20.00% 16V
TU101	8-598-452-20	TUNER, FSS BTF				C603	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
TU3301	8-598-508-10	TUNER, FSS BTF	-LG436			C604	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
						C605	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
						C606	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
		<crystal></crystal>				C607	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
X001	1-567-928-11	VIBLATOR, CER.	AMIC			C608	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
X4300	1-767-127-11	VIBRATOR, CER.	AMIC			C609	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
X8301	1-781-612-11	VIBRATOR, CRY	STAL			C610	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
						C611	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
						C612	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
*****	*****	******	*******	******	******	C613	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
						C614	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
,	* A-1136-132-A	B3 BOARD COM	PLETE			C615	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
		******	*****			C616	1-126-396-11	ELECT CHIP	47UF	20.00% 16V
						C617	1-163-038-11	CERAMIC CHIP	0.1UF	25V
		<capacitor></capacitor>				C618	1-163-038-11	CERAMIC CHIP	0.1UF	25V
						C619	1-163-038-11	CERAMIC CHIP	0.1UF	25V
C501	1-163-021-91	CERAMIC CHIP	0.01UF		% 50V	C620	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C502	1-124-779-00	ELECT CHIP	10UF		% 16V	C621	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C503	1-124-779-00	ELECT CHIP	10UF		% 16V	C622	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C505	1-124-779-00	ELECT CHIP	10UF		% 16V					
C507	1-124-779-00	ELECT CHIP	10UF	20.00	% 16V	C623	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
						C624	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C509	1-163-021-91	CERAMIC CHIP	0.01UF	10.00	% 50V	C625	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C511	1-163-038-11	CERAMIC CHIP	0.1UF		25V	C626	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C512	1-163-021-91	CERAMIC CHIP	0.01UF		% 50V	C627	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C514	1-164-004-11	CERAMIC CHIP	0.1UF		% 25 V					
C515	1-163-021-91	CERAMIC CHIP	0.01UF	10.00	% 50V	C628	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
OF4 :	1 164 004 4:	CED LLC CITE	0.417	1000	0/ 0511	C629	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C516	1-164-004-11	CERAMIC CHIP	0.1UF		% 25V	C630	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C517	1-163-021-91	CERAMIC CHIP	0.01UF		% 50V	C631	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C518	1-126-204-11	ELECT CHIP	47UF	20.00	% 16V	C632	1-126-206-11	ELECT CHIP	100UF	20.00% 6.3V
C519	1-163-038-11	CERAMIC CHIP	0.1UF		25V	CCCC	1 162 021 03	CED AND COM	0.01777	10.000/ 501/
C520	1-163-038-11	CERAMIC CHIP	0.1UF		25V	C633	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
0524	1 160 00: =:	CED / 2 77	0.017	4000	0/ 501	C634	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C521	1-163-021-91	CERAMIC CHIP	0.01UF	10.00	% 50V	C635	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C522	1-163-038-11	CERAMIC CHIP	0.1UF	10.00	25V	C636	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C523	1-163-021-91	CERAMIC CHIP	0.01UF	10.00	% 50V	C637	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V



REF. NO	. PART NO.	DESCRIPTION		REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
C638	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V			<coil></coil>			
C639	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V						
C640	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V	L501	1-412-026-11	INDUCTOR CHIP			
C642	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V	L503	1-412-026-11	INDUCTOR CHIP			
C643	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V	L505	1-412-029-11	INDUCTOR CHIP			
0614	1 126 200 11	EL ECT CHID	4.71.115	20,000/,251/	L506	1-412-026-11	INDUCTOR CHIP			
C644	1-126-398-11	ELECT CHIP	4.7UF	20.00% 35V	L508	1-412-029-11	INDUCTOR CHIP	10UH		
C645	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V	L509	1-412-029-11	INDUCTOR CHIP	101111		
					L509	1-412-029-11	INDUCTOR CHIP			
		<connector></connector>			L604	1-412-029-11	INDUCTOR CHIP			
					L605	1-412-029-11	INDUCTOR CHIP			
CN502	1-793-497-11	CONNECTOR, BC	OARD TO BO	ARD 40P						
							<transistor></transistor>			
		<diode></diode>			0.504	0.500.04 < 00	TTD LAYGROUP AG			
D501	0.710.400.10	DIODE MA 0020			Q501	8-729-216-22	TRANSISTOR 2SA			
D501	8-719-422-12	DIODE MASO39	.o. co		Q502	8-729-120-28	TRANSISTOR 2SO			
D601	8-719-073-01	DIODE MA111-(K	.8).30		Q503 Q516	8-729-120-28 8-729-120-28	TRANSISTOR 2SO TRANSISTOR 2SO			
					Q510 Q517	8-729-120-28	TRANSISTOR 2SO			
		<ferrite bead:<="" td=""><td>></td><td></td><td>Q317</td><td>0 727 120 20</td><td>110 11 1515 1 51 250</td><td>51025 E5E0</td><td></td><td></td></ferrite>	>		Q317	0 727 120 20	110 11 1515 1 51 250	51025 E5E0		
					Q518	8-729-216-22	TRANSISTOR 2SA	A1162-G		
FB501	1-414-813-11	FERRITE	0UH		Q521	8-729-120-28	TRANSISTOR 2SO	C1623-L5L6		
FB502	1-414-813-11	FERRITE	0UH		Q522	8-729-120-28	TRANSISTOR 2SO	C1623-L5L6		
FB503	1-414-813-11	FERRITE	0UH		Q523	8-729-120-28	TRANSISTOR 2SO	C1623-L5L6		
FB504	1-414-813-11	FERRITE	0UH		Q601	8-729-120-28	TRANSISTOR 2SO	C1623-L5L6		
FB601	1-414-553-11	FERRITE	0UH		0.600	0.720.120.20	TD ANGIGTOD 200	31.600 1.51.6		
					Q602	8-729-120-28	TRANSISTOR 2SO			
		<filter></filter>			Q901 Q902	8-729-216-22 8-729-216-22	TRANSISTOR 2SA TRANSISTOR 2SA			
		(TILTER)			Q902 Q903	8-729-216-22	TRANSISTOR 2SA			
FL501	1-233-877-11	FILTER, LOW PAS	SS		Q907	8-729-216-22	TRANSISTOR 2SA			
FL502	1-233-504-21	FILTER, LOW PAS								
FL503	1-233-504-21	FILTER, LOW PAS	SS		Q908	8-729-216-22	TRANSISTOR 2SA	A1162-G		
FL504	1-234-177-21	FILTER, CHIP EM	I		Q909	8-729-216-22	TRANSISTOR 2SA	A1162-G		
FL505	1-234-177-21	FILTER, CHIP EM	Ι							
EL 506	1 004 177 01	EUTED CHIDEM	т.				DEGICTOR.			
FL506 FL509	1-234-177-21 1-234-177-21	FILTER, CHIP EM FILTER, CHIP EM					<resistor></resistor>			
FL510	1-234-177-21	FILTER, CHIP EM			R501	1-216-025-11	RES-CHIP	100	5%	1/10W
FL511	1-234-177-21	FILTER, CHIP EM			R502	1-216-025-11	RES-CHIP	100	5%	1/10W
FL512	1-234-177-21	FILTER, CHIP EM			R503	1-216-295-11	SHORT	0		
					R504	1-216-295-11	SHORT	0		
FL601	1-234-177-21	FILTER, CHIP EM			R505	1-216-295-11	SHORT	0		
FL602	1-234-177-21	FILTER, CHIP EM								
FL603	1-234-177-21	FILTER, CHIP EM			R506	1-216-025-11	RES-CHIP	100	5%	1/10W
FL901 FL902	1-234-113-21	FILTER, LOW PAS			R507 R513	1-216-025-11 1-216-043-91	RES-CHIP RES-CHIP	100	5% 5%	1/10W 1/10W
rL902	1-234-112-21	FILTER, LOW PAS	ວວ		R513 R514	1-216-043-91	RES-CHIP	560 560	5% 5%	1/10W 1/10W
FL903	1-234-112-21	FILTER, LOW PAS	SS		R514 R515	1-216-043-91	RES-CHIP	560	5%	1/10W 1/10W
1 11/00	. 201 112 21	- ILILI, LOW IAL			1.010	0 13 71	-125 01111	500	2 /0	-/ - 0 11
					R516	1-216-049-11	RES-CHIP	1K	5%	1/10W
		<ic></ic>			R517	1-216-049-11	RES-CHIP	1K	5%	1/10W
					R518	1-216-295-11	SHORT	0		
IC501	8-759-447-90	IC TLC5733AIPM			R520	1-208-776-11	METAL CHIP	560	0.5%	1/10W
IC504	8-759-669-78	IC TLC2933IPWR			R521	1-216-295-11	SHORT	0		
IC505 IC506	8-759-547-54 8 750 547 54	IC TC7SET00FU(T	,		D522	1 200 774 11	METAL CLID	560	0.50/	1/10W
IC506 IC601	8-759-547-54 8-752-398-47	IC TC7SET00FU(7 IC CXD2090Q	LOSK)		R523 R524	1-208-776-11 1-216-295-11	METAL CHIP SHORT	560 0	0.5%	1/10 W
10001	0-134-370-41	IC CAD2070Q			R524 R526	1-216-293-11	METAL CHIP	560	0.5%	1/10W
IC602	8-759-665-38	IC MB81F161622C	C-80		R528	1-216-037-00	RES-CHIP	330	5%	1/10W
IC603	8-759-669-75	IC TLC2932IPW-R			R529	1-208-800-11	METAL CHIP	5.6K	0.5%	1/10W
IC604	8-752-072-94	IC CXA1875AM-T								
					R530	1-208-800-11	METAL CHIP	5.6K	0.5%	1/10W
					R531	1-216-031-00	RES-CHIP	180	5%	1/10W
					R532	1-208-800-11	METAL CHIP	5.6K	0.5%	1/10W
					R533	1-216-031-00	RES-CHIP	180	5% 0.5%	1/10W
					R537	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W



REF. NC	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R548	1-208-750-11	METAL CHIP	47	0.5%	1/10W	R643	1-216-295-11	SHORT	0		
R549	1-208-750-11	METAL CHIP	47	0.5%	1/10W 1/10W	R645	1-216-295-11	SHORT	0		
R549 R550	1-208-756-11	METAL CHIP	82	0.5%	1/10W 1/10W	R647	1-216-295-11	SHORT	0		
	1-208-756-11		82	0.5%	1/10W 1/10W	K047	1-210-293-11	SHOKI	U		
R551		METAL CHIP	82 47	0.5%	1/10W 1/10W	D650	1 211 060 11	METAL CHID	22	0.50/	1/10W
R552	1-208-750-11	METAL CHIP	47	0.5%	1/10 W	R650	1-211-960-11	METAL CHIP SHORT	0	0.5%	1/10 W
D552	1 216 205 11	CHODT	0			R651	1-216-295-11			50/	1/1007
R553	1-216-295-11	SHORT		0.50/	1/10337	R653	1-216-025-11	RES-CHIP	100	5%	1/10W
R554 R555	1-208-750-11	METAL CHIP	47 15K	0.5%	1/10W 1/10W	R654 R655	1-216-033-00	RES-CHIP	220	5%	1/10W
R557	1-216-077-91 1-216-049-11	RES-CHIP RES-CHIP	15K 1K	5% 5%	1/10W 1/10W	Koss	1-216-295-11	SHORT	0		
R558	1-216-049-11	RES-CHIP	100	5% 5%	1/10W 1/10W	R657	1-216-009-91	RES-CHIP	22	5%	1/10W
KJJ6	1-210-025-11	KES-CHIF	100	370	1/10 W	R658	1-216-009-91	RES-CHIP	1K	5%	1/10W 1/10W
R559	1-216-077-91	RES-CHIP	15K	5%	1/10W	R659	1-216-025-11	RES-CHIP	100	5%	1/10W
R560	1-208-750-11	METAL CHIP	47	0.5%	1/10W	R664	1-216-295-11	SHORT	0	370	1/10 **
R561	1-216-043-91	RES-CHIP	560	5%	1/10W 1/10W	R665	1-216-235-11	RES-CHIP	270	5%	1/10W
R562	1-216-043-91	RES-CHIP	560	5%	1/10W	1003	1-210-033-00	KL5-CIII	270	370	1/10**
R563	1-216-043-91	RES-CHIP	560	5%	1/10W 1/10W	R666	1-216-646-11	METAL CHIP	620	0.5%	1/10W
K303	1-210-043-71	KL5-CIII	300	370	1/10 **	R667	1-208-794-11	METAL CHIP	3.3K	0.5%	1/10W
R571	1-216-295-11	SHORT	0			R668	1-216-017-91	RES-CHIP	47	5%	1/10W
R572	1-208-750-11	METAL CHIP	47	0.5%	1/10W	R670	1-216-295-11	SHORT	0	370	1/10**
R573	1-208-810-11	METAL CHIP	15K	0.5%	1/10W	R671	1-216-073-00	RES-CHIP	10K	5%	1/10W
R574	1-208-782-11	METAL CHIP	1K	0.5%	1/10W	1071	1 210 073 00	KES CIII	1010	370	1/10 **
R575	1-208-756-11	METAL CHIP	82	0.5%	1/10W	R672	1-216-073-00	RES-CHIP	10K	5%	1/10W
K373	1-200-750-11	WILLIAL CITI	02	0.570	1/10**	R673	1-216-073-00	RES-CHIP	10K	5%	1/10W
R576	1-208-756-11	METAL CHIP	82	0.5%	1/10W	R674	1-216-073-00	RES-CHIP	10K	5%	1/10W
R577	1-208-750-11	METAL CHIP	47	0.5%	1/10W	R675	1-216-073-00	RES-CHIP	10K	5%	1/10W
R578	1-208-750-11	METAL CHIP	47	0.5%	1/10W	R676	1-216-073-00	RES-CHIP	10K	5%	1/10W
R579	1-216-077-91	RES-CHIP	15K	5%	1/10W	Rozo	1 210 073 00	KES CIII	1010	570	1/10 **
R580	1-216-295-11	SHORT	0	370	1/10**	R677	1-216-073-00	RES-CHIP	10K	5%	1/10W
1000	1 210 275 11	ынын	O			R678	1-216-073-00	RES-CHIP	10K	5%	1/10W
R598	1-216-025-11	RES-CHIP	100	5%	1/10W	R679	1-216-073-00	RES-CHIP	10K	5%	1/10W
R600	1-216-066-00	RES-CHIP	5.1K	5%	1/10W	R680	1-216-073-00	RES-CHIP	10K	5%	1/10W
R601	1-216-073-00	RES-CHIP	10K	5%	1/10W	R681	1-216-073-00	RES-CHIP	10K	5%	1/10W
R602	1-216-073-00	RES-CHIP	10K	5%	1/10W	11001	1 210 075 00	TED CITI	1011	270	1,101,
R603	1-216-073-00	RES-CHIP	10K	5%	1/10W	R682	1-216-073-00	RES-CHIP	10K	5%	1/10W
11000	1 210 0/2 00	nuo emi	1011	270	1,1011	R683	1-216-073-00	RES-CHIP	10K	5%	1/10W
R604	1-216-033-00	RES-CHIP	220	5%	1/10W	R684	1-216-073-00	RES-CHIP	10K	5%	1/10W
R605	1-216-295-11	SHORT	0	270	1,1011	R685	1-216-073-00	RES-CHIP	10K	5%	1/10W
R608	1-216-295-11	SHORT	0			R686	1-216-073-00	RES-CHIP	10K	5%	1/10W
R609	1-216-073-00	RES-CHIP	10K	5%	1/10W	11000	1 210 075 00	TED CITI	1011	270	1,101,
R610	1-216-033-00	RES-CHIP	220	5%	1/10W	R687	1-216-295-11	SHORT	0		
						R688	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R611	1-216-073-00	RES-CHIP	10K	5%	1/10W	R689	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R612	1-216-073-00	RES-CHIP	10K	5%	1/10W	R690	1-216-295-11	SHORT	0		
R613	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R691	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R614	1-216-295-11	SHORT	0								
R615	1-216-089-11	RES-CHIP	47K	5%	1/10W	R692	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
						R693	1-216-009-91	RES-CHIP	22	5%	1/10W
R616	1-216-073-00	RES-CHIP	10K	5%	1/10W	R694	1-216-295-11	SHORT	0		
R617	1-216-295-11	SHORT	0			R695	1-216-047-91	RES-CHIP	820	5%	1/10W
R619	1-216-073-00	RES-CHIP	10K	5%	1/10W	R696	1-216-049-11	RES-CHIP	1K	5%	1/10W
R621	1-216-295-11	SHORT	0								
R622	1-216-295-11	SHORT	0			R697	1-216-117-00	RES-CHIP	680K	5%	1/10W
						R698	1-216-117-00	RES-CHIP	680K	5%	1/10W
R623	1-216-295-11	SHORT	0			R699	1-216-295-11	SHORT	0		
R624	1-216-295-11	SHORT	0			R907	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W
R626	1-216-073-00	RES-CHIP	10K	5%	1/10W	R908	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W
R628	1-216-295-11	SHORT	0								
R629	1-216-073-00	RES-CHIP	10K	5%	1/10W	R909	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W
						R910	1-216-049-11	RES-CHIP	1K	5%	1/10W
R631	1-216-295-11	SHORT	0			R911	1-216-049-11	RES-CHIP	1K	5%	1/10W
R634	1-216-295-11	SHORT	0			R912	1-216-049-11	RES-CHIP	1K	5%	1/10W
R635	1-216-295-11	SHORT	0			R942	1-216-037-00	RES-CHIP	330	5%	1/10W
R638	1-216-295-11	SHORT	0								
R639	1-216-017-91	RES-CHIP	47	5%	1/10W	R943	1-216-033-00	RES-CHIP	220	5%	1/10W
						R957	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R640	1-216-009-91	RES-CHIP	22	5%	1/10W	R958	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R642	1-216-295-11	SHORT	0			R959	1-216-635-11	METAL CHIP	220	0.5%	1/10W
						R960	1-216-635-11	METAL CHIP	220	0.5%	1/10W



D 3										
REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK
R961	1-216-635-11	METAL CHIP	220	0.5%	1/10W	C9026	1-163-035-00	CERAMIC CHIP	0.047UF	50V
R962	1-216-635-11	METAL CHIP	220	0.5%	1/10W	C9027	1-101-004-00	CERAMIC	0.01UF	50V
R981	1-216-037-00	RES-CHIP	330	5%	1/10W	C9028	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00% 50V
R982	1-216-037-00	RES-CHIP	330	5%	1/10W	C0020	1 162 017 00	CED AMIC CHID	0.0047115	10 000/ 501/
R983	1-216-089-11	RES-CHIP	47K	5%	1/10W	C9029 C9030	1-163-017-00 1-163-017-00	CERAMIC CHIP CERAMIC CHIP	0.0047UF 0.0047UF	10.00% 50V 10.00% 50V
R984	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	C9031	1-104-574-11	CERAMIC	0.0047UF	10.00% 2KV
R985	1-216-113-00	RES-CHIP	470K	5%	1/10W	C9032	1-162-116-00	CERAMIC	680PF	10.00% 2KV
R986	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	C9033	1-107-662-11	ELECT	22UF	20.00% 250V
R987	1-216-049-11	RES-CHIP	1K	5%	1/10W	G0025	1 104 574 11	CED 11 HC	0.0047175	10 000/ 21/1/
R988	1-216-033-00	RES-CHIP	220	5%	1/10W	C9035 C9042	1-104-574-11 1-126-940-11	CERAMIC ELECT	0.0047UF 330UF	10.00% 2KV 20.00% 25V
R989	1-216-081-00	RES-CHIP	22K	5%	1/10W	C9042	1-120-540-11	ELECT	4.7UF	20.00% 25 V 20.00% 250V
R990	1-216-113-00	RES-CHIP	470K	5%	1/10W					
R991	1-216-295-11	SHORT	0							
R993	1-216-089-11	RES-CHIP	47K	5%	1/10W			<connector></connector>		
RB019 RB020 RB021 RB022 RB023	1-239-409-11 1-239-409-11 1-239-409-11 1-239-409-11	NETWORK RESIS NETWORK RESIS NETWORK RESIS NETWORK RESIS NETWORK RESIS	STOR (CHIP) STOR (CHIP) STOR (CHIP)	47 47 47		CN9002 CN9003 CN9004 CN9005*	1-564-512-11 1-691-765-11 1-695-915-11 1-695-915-11 1-564-506-11 1-785-879-11	PLUG, CONNECT PLUG (MICRO CO TAB (CONTACT) TAB (CONTACT) PLUG, CONNECT CONNECTOR, ON	ONNECTOR) OR 3P	3P
DD024	1 220 400 11	NETWORK RESIS	TOD (CIUD)	47				<diode></diode>		
RB024 RB025	1-239-409-11 1-239-409-11	NETWORK RESIS	,					<diode></diode>		
RB026	1-239-409-11	NETWORK RESIS				D9002	8-719-400-75	DIODE MA3091		
RB027	1-239-409-11	NETWORK RESIS	STOR (CHIP)	47		D9005	8-719-073-01	DIODE MA111-(K	(8)S0	
						D9006	8-719-051-85	DIODE HSS83TD		
						D9007 D9008	8-719-051-85 8-719-051-85	DIODE HSS83TD DIODE HSS83TD		
******	******	******	*******	*****	******	D7000	0-717-031-03	DIODE HSS031D		
	* A-1332-101-A	C BOARD MOUN				D9009 D9010	8-719-908-03 8-719-110-17	DIODE GP08D DIODE RD10ESB	2	
	4-382-854-01	SCREW (M3X8), I	P, SW (+)					<ic></ic>		
G000 2		<capacitor></capacitor>	405	0.250		IC9001 IC9002 IC9003	8-759-360-83 8-759-360-83 8-759-360-83	IC TDA6111Q/N4 IC TDA6111Q/N4 IC TDA6111Q/N4		
C9002	1-163-087-00			0.25PI	I					
C9003 C9004	1-163-087-00 1-104-574-11	CERAMIC CHIP CERAMIC	4PF 0.0047UF	0.25PI 10.009				<jack></jack>		
C9005	1-163-087-00	CERAMIC CHIP	4PF	0.25PI				JACK		
C9006	1-163-091-00	CERAMIC CHIP	8PF	0.25PI	I	J9001 🗥	1-540-071-22	SOCKET, CRT		
C9007	1-163-091-00	CED AMIC CUID	ODE	0.250	= 50V					
C9007 C9008	1-163-091-00	CERAMIC CHIP CERAMIC CHIP	8PF 8PF	0.25PI 0.25PI				∠COII >		
C9008	1-163-091-00	CERAMIC CHIP	4PF	0.25FI				<coil></coil>		
C9010	1-163-087-00	CERAMIC CHIP	4PF	0.25PI		L9001	1-414-158-11	INDUCTOR	2.2UH	
C9011	1-136-207-11	MYLAR	0.047UF	10.009	% 250V	L9002	1-408-591-11	INDUCTOR	1UH	
C0012	1 126 207 11	MAZIAD	0.047115	10.000	v 25011	L9003	1-408-591-11	INDUCTOR	1UH	
C9012 C9014	1-136-207-11 1-136-207-11	MYLAR MYLAR	0.047UF 0.047UF		% 250V % 250V	L9004	1-408-591-11	INDUCTOR	1UH	
C9014 C9015	1-136-207-11	MYLAK CERAMIC CHIP	0.0470F 4PF	0.25PI		L9005	1-406-666-21	INDUCTOR	150UH	
C9015	1-103-067-00	CERAMIC	100PF	10.009		L9006	1-412-526-11	INDUCTOR	12UH	
C9018	1-107-961-91	ELECT	10UF		% 250V	L/000	1-714-340-11	HUDGLOK	12011	
C9019	1-163-035-00	CERAMIC CHIP	0.047UF		50V			NEON LAMP		
C9020	1-107-961-91	ELECT	10UF	20.009	% 250V			<neon lamp=""></neon>		
C9021	1-107-961-91	ELECT	10UF		% 250V	NL9001	1-519-526-11	LAMP, NEON		
C9022	1-101-004-00	CERAMIC	0.01UF		50V			,,		
C9023	1-101-004-00	CERAMIC	0.01UF		50V					
C9024 C9025	1-163-035-00 1-104-653-11	CERAMIC CHIP ELECT	0.047UF 220UF	20.009	50V % 16V					





redi i i i i i	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK
		<transistor></transistor>					<variable res<="" td=""><td>ISTOR></td><td></td></variable>	ISTOR>		
Q9001	8-729-026-49	TRANSISTOR 2S	A1037AK-T	146-OR		RV9001	1-241-656-11	RES, ADJ, METAI	. FILM 110M	
Q9009	8-729-026-49	TRANSISTOR 2S		-			1-230-641-11	RES, ADJ, METAI		
Q9010	8-729-026-49	TRANSISTOR 2S				10,0002	1 230 011 11	TES, TES, TELL	3 GE: 122 2.2.	**
Q9011	8-729-026-49	TRANSISTOR 2S								
Q >011	0 /2/ 020 ./	11011 (515 1011 25	1110071111 1	1.0 Q10						
		<resistor></resistor>				******	******	********	*****	******
						*	A-1346-975-A	D BOARD COMP		
R9001	1-216-059-00	RES-CHIP	2.7K	5%	1/10W			******	****	
R9006	1-216-073-00	RES-CHIP	10K	5%	1/10W		1 262 146 00	HEAT ONLY MOI		
R9007	1-208-789-11	METAL CHIP	2K	0.5%	1/10W	*	4-363-146-00	HEAT SINK, V.OU		
R9008 R9012	1-216-085-00	RES-CHIP	33K 1K	5% 5%	1/10W 1/10W		4-382-854-11	SCREW (M3X10),	P, SW (+)	
K9012	1-216-049-11	RES-CHIP	1K	3%	1/10 W					
R9013	1-216-049-11	RES-CHIP	1K	5%	1/10W			<capacitor></capacitor>		
R9018	1-216-059-00	RES-CHIP	2.7K	5%	1/10W					
R9019	1-216-059-00	RES-CHIP	2.7K	5%	1/10W	C6100	1-161-830-00	CERAMIC	0.0047UF	99% 500V
R9021	1-216-295-11	SHORT	0			C6101	1-107-680-91	ELECT	22UF	20.00% 450V
R9023	1-216-295-11	SHORT	0			C6102	1-161-830-00	CERAMIC	0.0047UF	99% 500V
						C6103	1-163-133-00	CERAMIC CHIP	470PF	5.00% 50V
R9026	1-208-789-11	METAL CHIP	2K	0.5%	1/10W	C6104	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50V
R9031	1-208-789-11	METAL CHIP	2K	0.5%	1/10W					
R9033	1-208-808-11	METAL CHIP	12K	0.5%	1/10W	C6105	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
R9034	1-208-800-11	METAL CHIP	5.6K	0.5%	1/10W	C6106	1-163-005-11	CERAMIC CHIP	470PF	10.00% 50V
R9035	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W	C6107	1-137-605-11	MYLAR	0.01UF	10.00% 250V
0000	1.016.040.11	DEG CHID	177	50/	1/10337	C6108	1-161-830-00	CERAMIC	0.0047UF	99% 500V
R9036	1-216-049-11	RES-CHIP	1K	5%	1/10W	C6109	1-126-971-11	ELECT	470UF	20.00% 50V
R9037	1-240-233-71	METAL OXIDE	100	5%	3W	06110	1 162 000 11	CED LANG CHID	0.001115	10.000/ 501/
R9038	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W	C6110	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50V
R9039	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W	C6111	1-161-830-00	CERAMIC	0.0047UF	99% 500V
R9041	1-216-049-11	RES-CHIP	1K	5%	1/10W	C6113	1-126-965-11	ELECT	22UF	20.00% 50V
D0042	1 216 040 11	DEC CHID	117	£0/	1/10337	C6334	1-126-940-11	ELECT	330UF	20.00% 25V
R9042 R9043	1-216-049-11 1-240-233-71	RES-CHIP METAL OXIDE	1K 100	5%	1/10W 3W	C6600	1-128-550-11	ELECT	2200UF	20.00% 50V
R9043	1-240-233-71	METAL OXIDE	100	5% 5%	3W	C6601	1-126-967-11	ELECT	47UF	20.00% 50V
R9044 R9047	1-240-255-71	SOLID	220	20%	1/2W	C6602	1-120-907-11	FILM	0.033UF	5.00% 630V
R9048	1-202-357-00	RES-CHIP	2.2K	5%	1/2 W 1/10W	C6603	1-126-949-11	ELECT	220UF	20.00% 35V
107070	1-210-037-00	KL5-CIII	2.2IX	370	1/10**	C6604	1-126-967-11	ELECT	47UF	20.00% 50V
R9049	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	C6606	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V
	1-249-424-11	CARBON	3.9K	5%	1/4W	20000	1 103 231 11	CERTIFIC CITI	10011	3.0070 301
R9051	1-202-557-00	SOLID	220	20%	1/2W	C6607 A	1 110 006 51	CERAMIC	470DE	10 000/ 250V
R9052	1-202-557-00	SOLID	220	20%	1/2W		1-119-886-51		470PF	10.00% 250V
R9053	1-249-424-11	CARBON	3.9K	5%	1/4W		1-119-886-51	CERAMIC	470PF	10.00% 250V
				- / 0	* * * * * * * * * * * * * * * * * * * *		1-126-960-11	ELECT	1UF	20.00% 50V
R9054	1-249-424-11	CARBON	3.9K	5%	1/4W	C6610	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V
	1-202-884-11	SOLID	820K	20%	1/2W	C6611	1-163-275-11	CERAMIC CHIP	0.001UF	5.00% 50V
R9056	1-202-813-00	SOLID	22K	10%	1/2W	00010	1 126 064 11	ELECT	10115	20.000/ 5037
R9057	1-202-847-00	SOLID	560K	20%	1/2W	C6612	1-126-964-11	ELECT	10UF	20.00% 50V
R9058	1-202-884-11	SOLID	820K	20%	1/2W	C6614	1-161-830-00	CERAMIC	0.0047UF	99% 500V
						C6614 C6615	1-161-830-00 1-163-251-11	CERAMIC CERAMIC CHIP	0.0047UF 100PF	500V 5.00% 50V
R9059	1-202-818-00	SOLID	1K	20%	1/2W	C6616	1-103-251-11		2.2UF	
R9061	1-202-549-00	SOLID	100	20%	1/2W	C0010	1-120-901-11	ELECT	2.2UF	20.00% 50V
R9065	1-216-069-00	RES-CHIP	6.8K	5%	1/10W	C6617	1-161-830-00	CERAMIC	0.0047UF	500V
R9068	1-216-101-00	RES-CHIP	150K	5%	1/10W	C6618	1-161-830-00	CERAMIC CHIP	0.00470F 0.01UF	10.00% 50V
R9069	1-202-549-00	SOLID	100	20%	1/2W	C6619	1-161-830-00	CERAMIC	0.010F 0.0047UF	99% 500V
						C6620	1-163-021-91	CERAMIC CHIP	0.00470F 0.01UF	10.00% 50V
R9070	1-216-037-00	RES-CHIP	330	5%	1/10W	C6621	1-103-021-91	ELECT	1200UF	20% 250V
	1-216-037-00	RES-CHIP	330	5%	1/10W	C0021	1 131 /40-11	LLLC I	120001	2070 230 ¥
R9072	1-216-037-00	RES-CHIP	330	5%	1/10W	C6622	1-131-940-11	ELECT	1200UF	20% 250V
00000	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	C6624	1-126-966-11	ELECT	33UF	20.00% 50V
R9073							1-136-479-11	FILM	0.001UF	
R9073						Unb.33	1-130-4/9-11		0.00101	2.00% 50V
R9073						C6633 C6634	1-130-479-11	ELECT	10UF	2.00% 50V 20.00% 50V

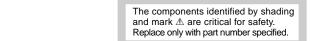


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REF. NO	PART NO.	<u>DESCRIPTION</u> <u>REMARK</u>		REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK	
C6637	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	C6839	1-126-933-11	ELECT	100UF	20.00% 16V	
C6645	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50V	C6840	1-126-933-11	ELECT	100UF	20.00% 16V	
C6647	1-126-964-11	ELECT	10UF	20.00% 50V	C6841	1-117-660-21	FILM	0.12UF	5.00% 250V	
C6648	1-125-969-91	CERAMIC	680PF	10.00% 1KV	000.1	1 117 000 21	1 121/1	0.1201	210070 2201	
C6649	1-125-969-91	CERAMIC	680PF	10.00% 1KV	C6842	1-117-667-71	FILM	0.47UF	5.00% 250V	
000.5	1 120 707 71	CLIU III III C	00011	10100701111	C6843	1-115-339-11	CERAMIC CHIP	0.1UF	10.00% 50V	
C6650	1-125-969-91	CERAMIC	680PF	10.00% 1KV	C6844	1-115-339-11	CERAMIC CHIP	0.1UF	10.00% 50V	
C6651	1-125-969-91	CERAMIC	680PF	10.00% 1KV	C6845	1-115-514-11	FILM	0.22UF	5.00% 250V	
C6652	1-110-626-11	ELECT	330UF	20.00% 160V	C6846	1-109-945-11	FILM	0.18UF	5.00% 250V	
C6653	1-137-368-11	MYLAR	0.0047UF	5.00% 50V						
C6654	1-126-936-11	ELECT	3300UF	20.00% 16V	C6848	1-113-979-51	FILM	0.047UF	5% 250V	
	/				C6849	1-115-339-11	CERAMIC CHIP	0.1UF	10.00% 50V	
C6655	1-126-936-11	ELECT	3300UF	20.00% 16V	C6850	1-115-339-11	CERAMIC CHIP	0.1UF	10.00% 50V	
C6656	1-136-165-00	FILM	0.1UF	5.00% 50V	C6851	1-107-639-11	ELECT	47UF	20.00% 160V	
C6658	1-104-330-91	CERAMIC	470PF	10.00% 1KV	C6852	1-102-121-00	CERAMIC	0.0022UF	10.00% 50V	
C6660	1-126-960-11	ELECT	1UF	20.00% 50V						
C6661	1-104-664-11	ELECT	47UF	20.00% 16V	C6853	1-102-228-00	CERAMIC	470PF	10.00% 500V	
					C6854	1-126-941-11	ELECT	470UF	20.00% 25V	
C6662	1-104-664-11	ELECT	47UF	20.00% 16V	C6855	1-123-024-21	ELECT	33UF	160V	
C6665	1-126-964-11	ELECT	10UF	20.00% 50V	C6856	1-126-971-11	ELECT	470UF	20.00% 50V	
C6666	1-137-150-11	MYLAR	0.01UF	5.00% 50V	C6857	1-102-228-00	CERAMIC	470PF	10.00% 500V	
C6668	1-104-664-11	ELECT	47UF	20.00% 25V						
C6669	1-125-969-91	CERAMIC	680PF	10.00% 1KV	C6858	1-102-228-00	CERAMIC	470PF	10.00% 500V	
		='	•	· · · · · · · · · · · · · · · · · · ·	C6859	1-162-129-00	CERAMIC	150PF	10.00% 2KV	
C6670	1-125-969-91	CERAMIC	680PF	10.00% 1KV	C6860	1-162-131-11	CERAMIC	220PF	10.00% 2KV	
C6672	1-135-946-21	FILM	47000PF	3% 800V	C6862	1-130-202-00	FILM	0.022UF	5.00% 200V	
C6673	1-136-189-00	MYLAR	0.1UF	10.00% 250V	C6863	1-107-906-11	ELECT	10UF	20.00% 50V	
C6674	1-128-527-11	ELECT	330UF	20.00% 25V						
C6679	1-107-823-11	CERAMIC CHIP	0.47UF	10.00% 16V	C6864	1-129-898-00	FILM	0.0022UF	5.00% 630V	
					C6865	1-130-202-00	FILM	0.022UF	5.00% 400V	
C6680	1-107-674-91	ELECT	0.47UF	20.00% 450V	C6866	1-102-030-00	CERAMIC	330PF	10.00% 500V	
C6800	1-126-964-11	ELECT	10UF	20.00% 50V	C6867	1-130-785-11	MYLAR	0.47UF	10.00% 100V	
C6801	1-126-960-11	ELECT	1UF	20.00% 50V	C6868	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V	
C6802	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V						
C6805	1-111-087-11	ELECT	330UF	20.00% 25V	C6871	1-163-133-00	CERAMIC CHIP	470PF	5.00% 50V	
					C6872	1-163-275-11	CERAMIC CHIP	0.001UF	5.00% 50V	
C6806	1-107-933-11	ELECT	100UF	20.00% 100V	C6874	1-136-165-00	FILM	0.1UF	5.00% 50V	
C6808	1-137-401-11	MYLAR	0.22UF	10.00% 100V	C6875	1-104-664-11	ELECT	47UF	20.00% 16V	
C6809	1-102-074-00	CERAMIC	0.001UF	10.00% 50V	C6876	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V	
C6810	1-106-220-00	MYLAR	0.1UF	10.00% 100V						
C6811	1-111-087-11	ELECT	330UF	20.00% 25V	C6877	1-126-964-11	ELECT	10UF	20.00% 50V	
					C6878	1-126-320-11	ELECT	10UF	20.00% 16V	
C6813	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50V	C6879	1-107-960-11	ELECT	4.7UF	20.00% 160V	
C6815	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50V	C6880	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	
C6816	1-136-060-00	FILM	0.047UF	5.00% 400V	C6882	1-104-574-11	CERAMIC	0.0047UF	10.00% 2KV	
C6817	1-126-967-11	ELECT	47UF	20.00% 50V						
C6818	1-126-960-11	ELECT	1UF	20.00% 50V	C6883	1-126-965-11	ELECT	22UF	20.00% 50V	
					C6885	1-162-131-11	CERAMIC	220PF	10.00% 2KV	
C6819	1-126-960-11	ELECT	1UF	20.00% 50V						
C6820	1-102-114-00	CERAMIC	470PF	10.00% 50V						
C6821	1-106-383-00	MYLAR	0.047UF	10.00% 200V			<connector></connector>			
C6822	1-102-114-00	CERAMIC	470PF	10.00% 50V						
C6823	1-106-383-00	MYLAR	0.047UF	10.00% 200V	CN6602*	1-508-786-13	PIN, CONNECTO	R (5MM PITO	CH) 2P	
					CN6603*	↑ 1-573-963-11	PIN, CONNECTO	R (PC BOAR	D) 3P	
C6826	1-102-030-00	CERAMIC	330PF	10.00% 500V		1-580-843-11	PIN, CONNECTO	,	D) 31	
C6827	1-102-030-00	CERAMIC	330PF	10.00% 500V		1-764-333-11	PLUG, CONNECT	. ,		
C6828	1-104-987-11	MYLAR	0.001UF	10.00% 200V		1-764-333-11	PLUG, CONNECT			
C6829	1-162-558-11	CERAMIC	100PF	10.00% 2KV	21.0000		5, 55111.LCI			
C6831	1-117-835-11	FILM	6200PF	3.00% 1.5KV	CN6609*	1-508-784-21	PIN, CONNECTO	R (5MM PITO	CH) 1P	
						1-508-784-21	PIN, CONNECTOR	,	,	
C6832	1-117-836-11	FILM	6800PF	3.00% 1.5KV		1-508-784-21	PIN, CONNECTOR		*	
C6833	1-127-680-11	FILM MELF	4700PF	2% 100V		1-508-784-21	PIN, CONNECTOR	*	,	
C6834	1-125-893-11	FILM	680PF	3.00% 1.5KV		1-508-784-21	PIN, CONNECTOR			
C6835	1-125-893-11	FILM	680PF	3.00% 1.5KV	21.0013	2 200 701 21	- 1., COINECTO	(01.11111111	, ••	
C6836	1-127-681-11	FILM MELF	10000PF	2% 100V	CN6614*	1-508-784-21	PIN, CONNECTO	R (5MM PITA	CH) 1P	
						1-508-784-21	PIN, CONNECTOR			
C6837	1-125-893-11	FILM	680PF	3.00% 1.5KV		1-508-784-21	PIN, CONNECTOR		*	
C6838	1-125-893-11	FILM	680PF	3.00% 1.5KV			.,	, .	,	



REF. NO.	. PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK
CN6617	1-695-915-11	TAB (CONTACT)		D6800	8-719-110-03	DIODE RD7.5ESB	2	
CN6618*	1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P		D6801	8-719-911-19	DIODE 1SS119-25		
		,						
CN6619*	1-564-507-11	PLUG, CONNECTOR 4P		D6803	8-719-510-73	DIODE S3L20UF4		
	1-764-333-11	PLUG, CONNECTOR 10P		D6806	8-719-911-19	DIODE 1SS119-25		
				D6807	8-719-109-68	DIODE RD3.6ES-I		
		PIN, DY CONNECTOR (PC BOARD)		D6808	8-719-914-43	DIODE DAN202K		
	1-783-967-11	CONNECTOR, BOARD TO BOARD 30	P					
CN6803*	1-764-333-11	PLUG, CONNECTOR 10P		D6809	8-719-908-03	DIODE GP08D		
				D (010	0.740.440.00	DIODE DOI FEG D		
CN68042	1.691-765-11	PLUG (MICRO CONNECTOR) 3P		D6812	8-719-110-39	DIODE RD15ES-B	1	
	1-695-915-11	TAB (CONTACT)		D6813	8-719-302-43	DIODE EL1Z		
CN6807	1-695-915-11	TAB (CONTACT)		D6814	8-719-018-82	DIODE RGP02-201		
	1-695-915-11	TAB (CONTACT)		D6816	8-719-510-73	DIODE S3L20UF4		
	1-695-915-11	TAB (CONTACT)		D6817	8-719-510-73	DIODE S3L20UF4		
CIVOOO	1-0/3-/13-11	IAD (CONTACT)						
CN(010	1 705 070 11	CONNECTOR ONE TOLICH		D6820	8-719-970-87	DIODE ERA38-06		
	1-785-879-11	CONNECTOR, ONE TOUCH		D6821	8-719-970-87	DIODE ERA38-06		
	1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P		D6823	8-719-911-19	DIODE 1SS119-25		
	1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P		D6824	8-719-510-73	DIODE S3L20UF4		
CN6819	1-783-967-11	CONNECTOR, BOARD TO BOARD 30	P	D6825	8-719-914-43	DIODE DAN202K		
				D0023	0-717-714-43	DIODE DAIVEOUR		
				D6026	9 710 011 10	DIODE 199110 25		
		<diode></diode>		D6826	8-719-911-19	DIODE 1SS119-25 DIODE 1SS119-25		
				D6826	8-719-911-19			
D6100	8-719-077-76	DIODE D2SB60A-F04		D6830	8-719-914-43	DIODE DAN202K		
D6101	8-719-110-49	DIODE RD18ES-B2						
D6102	8-719-978-65	DIODE DTZ-TT11-15B						
D6103	8-719-073-01	DIODE MA111-(K8).S0				<ferrite bead:<="" td=""><td>></td><td></td></ferrite>	>	
D6104	8-719-510-48	DIODE D1N20R						
D010 1	0-717-310-40	DIODE DINZOR		FB6602	1-239-358-21	FILTER, NOISE		
D6105	0 710 040 45	DIODE ED 422 09		FB6603	1-239-358-21	FILTER, NOISE		
D6105	8-719-948-45	DIODE ERA22-08		FB6604	1-410-396-41	FERRITE	0.45UH	
D6108	8-719-063-73	DIODE D1NL20U-TR		FB6605	1-410-396-41	FERRITE	0.45UH	
D6323	8-719-032-12	DIODE D1NS6			1-410-397-21	FERRITE	1.1UH	
D6601	8-719-911-19	DIODE 1SS119-25		120000	1 110 077 21	1214112		
D6602	8-719-073-01	DIODE MA111-(K8).S0						
						<ic></ic>		
D6603	8-719-073-01	DIODE MA111-(K8).S0				(IC)		
D6604	8-719-073-01	DIODE MA111-(K8).S0		100000	0.750 (70.20	IC MC72001D		
D6605	8-719-510-53	DIODE D4SB60L		IC6600	8-759-670-30	IC MCZ3001D		
D6608	8-719-073-01	DIODE MA111-(K8).S0		IC6601	8-759-198-31	IC UPC1093J-1-T		
D6609	8-719-911-19	DIODE 1SS119-25		IC6607	8-749-012-13	IC DM-58		
2000)	0 /1/ /11 1/	21022 188117 20		IC6608	8-759-133-90	IC UPC339C		
D6610	8-719-073-01	DIODE MA111-(K8).S0		IC6800	8-759-192-71	IC STV9379		
D6611	8-719-073-01	DIODE MA111-(K8).S0						
		DIODE WATTI-(K8).SU DIODE UO5G		IC6801	8-759-450-95	IC LM393N		
D6612				IC6804	8-759-394-36	IC BA09T		
D6613	8-719-911-55	DIODE UOSG		IC6805	8-759-394-35	IC BA12T		
D6614	8-719-110-30	DIODE RD12ES-T1B						
D **** =	0.710.01: ::	DIODE 199110 27						
D6615	8-719-911-19	DIODE 1SS119-25				<chip conduct<="" td=""><td>OR></td><td></td></chip>	OR>	
D6618	8-719-979-64	DIODE UF4005PKG23				CIM COMBOCI	J.J	
D6620	8-719-063-73	DIODE D1NL20U-TR		JR6601	1-216-295-11	SHORT	0	
D6621	8-719-073-01	DIODE MA111-(K8).S0						
D6623	8-719-911-19	DIODE 1SS119-25		JR6603	1-216-295-11 1-216-295-11	SHORT	0	
				JR6606		SHORT	0	
D6631	8-719-050-18	DIODE D4SBL20U		JR6607	1-216-295-11	SHORT	0	
D6632	8-719-073-01	DIODE MA111-(K8).S0		JR6608	1-216-295-11	SHORT	0	
D6633	8-719-510-12	DIODE D10SC4M						
D6635	8-719-110-47	DIODE RD18ESB		JR6609	1-216-295-11	SHORT	0	
D6636	8-719-911-19	DIODE 1SS119-25		JR6610	1-216-295-11	SHORT	0	
20000	5 ,17 ,11-17	2.300 10011/ 23		JR6611	1-216-295-11	SHORT	0	
D6620	8 710 062 72	DIODE DINI 2011 TD		JR6893	1-216-295-11	SHORT	0	
D6639	8-719-063-73	DIODE DISCUSSES						
D6640	8-719-110-72	DIODE RD30ESB2						
D6641	8-719-109-96	DIODE RD6.8ES-B1				<coil></coil>		
D6642	8-719-911-19	DIODE 1SS119-25				.0012/		
D6644	8-719-052-92	DIODE D10SBS4F		L6600	1-410-396-41	FERRITE	0.45UH	
				L6604	1-410-390-41	INDUCTOR	10UH	
D6648	8-719-110-30	DIODE RD12ES-B1		L6605	1-412-525-31	INDUCTOR	10UH 10UH	
D6653	8-719-911-55	DIODE UO5G		F0003	1-414-343-31	TADOCTOR	10011	
D6654	8-719-052-92	DIODE D10SBS4F						





REF. NO	PART NO.	DESCRIPTION		REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
L6606	1-412-525-31	INDUCTOR	10UH		Q6815	8-729-045-65	TRANSISTOR 2S	A1776TV2O		
L6607	1-412-519-11	INDUCTOR	3.3UH		Q6816	8-729-140-96	TRANSISTOR 2S			
L0007	1 412 317 11	INDUCTOR	3.3011		Q6817	8-729-422-33	TRANSISTOR 2P		i	
L6608	1-412-525-31	INDUCTOR	10UH		Q6818	1-801-806-11	TRANSISTOR D			
L6609	1-410-396-41	FERRITE	0.45UH		Q6819	1-801-806-11	TRANSISTOR D			
L6800	1-412-525-31	INDUCTOR	10UH		2001)	1 001 000 11	11011 10101 011 10		1.0	
L6801	1-406-675-11	INDUCTOR	4.7MH		Q6820	8-729-422-33	TRANSISTOR 2P	D601AR-115	í	
L6803	1-406-985-11	INDUCTOR	2.2MH		Q6821	8-729-026-49	TRANSISTOR 2S			
					Q6823	8-729-422-33	TRANSISTOR 2P		-	
L6804	1-412-519-11	INDUCTOR	3.3UH							
L6805	1-412-519-11	INDUCTOR	3.3UH							
L6806	1-412-519-11	INDUCTOR	3.3UH				<resistor></resistor>			
L6807	1-412-552-11	INDUCTOR	2.2MH							
L6808	1-406-674-11	INDUCTOR	3.3MH		R6100	1-260-298-51	CARBON	3.3	5%	1/2W
					R6101	1-216-045-00	RES-CHIP	680	5%	1/10W
					R6102	1-249-389-11	CARBON	4.7	5%	1/4W
		<photo coupl<="" td=""><td>ER></td><td></td><td>R6103</td><td>1-216-009-91</td><td>RES-CHIP</td><td>22</td><td>5%</td><td>1/10W</td></photo>	ER>		R6103	1-216-009-91	RES-CHIP	22	5%	1/10W
					R6104	1-240-205-91	CARBON	22M	5%	1/2W
PH66012	1 8-749-924-35	PHOTO COUPLE	R ON3171-R							
PH66024	1 8-749-924-35	PHOTO COUPLE	R ON3171-R		R6105	1-216-097-11	RES-CHIP	100K	5%	1/10W
					R6106	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
					R6107	1-216-089-11	RES-CHIP	47K	5%	1/10W
		<ic link=""></ic>			R6108	1-215-493-00	METAL	1M	1%	1/4W
					R6110	1-249-413-11	CARBON	470	5%	1/4W
PS6605	1-533-597-41	LINK, IC			D.6500	1 220 707 11	CEMENTED	0.47	50/	10W
PS6606	1-533-597-41	LINK, IC			R6500 R6600	1-220-797-11 1-216-295-11	SHORT	0.47	5%	10W
PS6801	1-532-841-21	LINK, IC			R6602	1-249-417-11	CARBON	1K	5%	1/4W
					R6603	1-249-417-11	METAL CHIP	10K	0.5%	1/4 W 1/10W
					R6604	1-208-806-11	METAL CHIP	10K 10K	0.5%	1/10W
		<transistor></transistor>			10004	1-200-000-11	METAL CITI	1010	0.570	1/10 **
					R6605	1-215-471-00	METAL	120K	1%	1/4W
Q6100	8-729-046-40	TRANSISTOR 2S			R6606	1-215-466-00	METAL	75K	1%	1/4W
Q6102	8-729-023-22	TRANSISTOR 2S			R6607	1-215-489-00	METAL	680K	1%	1/4W
Q6600	8-729-052-32	TRANSISTOR IR			R6608	1-215-489-00	METAL	680K	1%	1/4W
Q6601	8-729-119-78	TRANSISTOR 2S			R6609	1-215-489-00	METAL	680K	1%	1/4W
Q6602	8-729-119-78	TRANSISTOR 2S	C2/85TP-HFE							
06602	8-729-052-32	TD A MCICTOD ID	EID7N50A I E21		R6610	1-208-830-11	METAL CHIP	100K	0.5%	1/10W
Q6603 Q6604	8-729-032-32	TRANSISTOR IR			R6611	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W
Q6605	8-729-119-70	TRANSISTOR 2S			R6612	1-215-471-00	METAL	120K	1%	1/4W
Q6608	8-729-200-21	TRANSISTOR 2S			R6613	1-215-489-00	METAL	680K	1%	1/4W
Q6609	8-729-029-56	TRANSISTOR 23			R6614	1-215-489-00	METAL	680K	1%	1/4W
Q0007	0 12) 02) 30	TRANSISTOR DI	71112571 11							
Q6610	8-729-119-78	TRANSISTOR 2S	C2785TP-HFE		R6615	1-215-489-00	METAL	680K	1%	1/4W
Q6611	8-729-029-66	TRANSISTOR DT			R6616	1-208-830-11	METAL CHIP	100K	0.5%	
Q6613	8-729-030-02	TRANSISTOR DT			R6617	1-208-844-11	METAL CHIP	390K	0.5%	1/10W
Q6614	8-729-119-76	TRANSISTOR 2S			R6618	1-215-466-00	METAL	75K	1%	1/4W
Q6619	8-729-119-78	TRANSISTOR 2S			R6619	1-216-113-00	RES-CHIP	470K	5%	1/10W
					D.C.20	1 200 046 11	METAL CHID	4701/	0.50/	1/10337
Q6620	8-729-119-78	TRANSISTOR 2S	C2785TP-HFE		R6620 R6621	1-208-846-11 1-216-073-00	METAL CHIP RES-CHIP	470K 10K	0.5% 5%	1/10W 1/10W
Q6800	8-729-422-33	TRANSISTOR 2P	D601AR-115		R6622	1-210-073-00	CEMENTED	0.47	5%	1/10W 10W
Q6802	8-729-046-33	TRANSISTOR IR			R6623	1-220-797-11	METAL OXIDE	150	5%	10W
Q6803	8-729-119-76	TRANSISTOR 2S			R6624	1-208-830-11	METAL CHIP	100K	0.5%	1/10W
Q6804	8-729-119-78	TRANSISTOR 2S	C2785TP-HFE		10024	1 200 030 11	METAL CITA	1001	0.570	1/10 **
0.000	0.720.110.0	mp + Maraman	G2200 I		R6625	1-215-864-00	METAL OXIDE	150	5%	1W
Q6805	8-729-140-96	TRANSISTOR 2S			R6626	1-215-444-00	METAL	9.1K	1%	1/4W
Q6806	8-729-140-96	TRANSISTOR 2S			R6627	1-215-481-00	METAL	330K	1%	1/4W
Q6807	8-729-046-18	TRANSISTOR 2S			R6628	1-216-073-00	RES-CHIP	10K	5%	1/10W
Q6808	8-729-046-18	TRANSISTOR 2S			R6629	1-215-481-00	METAL	330K	1%	1/4W
Q6809	8-729-038-83	TRANSISTOR 2S	N2231-U1-F19							
Q6810	8-729-047-60	TRANSISTOR IR	E1830C 1 E40		R6630	1-215-481-00	METAL	330K	1%	1/4W
Q6810 Q6811	8-729-047-60 1-801-806-11	TRANSISTOR DT			R6631	1-208-808-11	METAL CHIP	12K	0.5%	1/10W
Q6811	8-729-043-95	TRANSISTOR DI			R6632	1-208-758-11	METAL CHIP	100	0.5%	1/10W
Q6813	8-729-422-33	TRANSISTOR 25			R6633	1-215-458-00	METAL	36K	1%	1/4W
Q6814	8-729-026-49		A1037AK-T146-QR		R6634	1-215-489-00	METAL	680K	1%	1/4W
			2							



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
R6635	1-215-489-00	METAL	680K	1%	1/4W	R6803	1-216-073-00	RES-CHIP	10K	5%	1/10W
R6636	1-215-489-00	METAL	680K	1%	1/4W	R6804	1-208-796-11	METAL CHIP	3.9K	0.5%	1/10W
			56K								1/10W
R6637	1-215-463-00	METAL		1%	1/4W	R6805	1-208-802-11	METAL CHIP	6.8K	0.5%	1/10W
R6638	1-240-876-11	CEMENTED	1	5%	15W						
R6639	1-240-876-11	CEMENTED	1	5%	15W	R6806	1-208-796-11	METAL CHIP	3.9K	0.5%	1/10W
						R6807	1-249-383-11	CARBON	1.5	5%	1/4W
R6640	1-216-081-00	RES-CHIP	22K	5%	1/10W	R6810	1-214-798-21	METAL	1.8	1%	1/2W
R6641	1-260-131-11	CARBON	470K	5%	1/2W	R6811	1-215-913-11	METAL OXIDE	220	5%	3W
R6642	1-260-131-11	CARBON	470K	5%	1/2W	R6813	1-214-798-21	METAL	1.8	1%	1/2W
R6643	1-216-081-00	RES-CHIP	22K	5%	1/10W						
R6644	1-249-417-11	CARBON	1K	5%	1/4W	R6814	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
						R6815	1-208-801-11	METAL CHIP	6.2K	0.5%	1/10W
R6645	1-220-886-11	FUSIBLE	0.1	10%	1W	R6816	1-214-915-00	METAL	120K	1%	1/2W
R6647	1-208-770-11	METAL CHIP	330	0.5%	1/10W	R6818	1-215-485-00	METAL	470K	1%	1/4W
R6648	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R6819	1-249-421-11	CARBON	2.2K	5%	1/4W
R6649	1-249-425-11	CARBON	4.7K	5%	1/4W						
R6651	1-217-157-00	METAL	0.33	10%	5W	R6820	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
						R6822	1-216-461-00	METAL OXIDE	5.6K	5%	2W
R6654	1-216-089-11	RES-CHIP	47K	5%	1/10W	R6823	1-215-895-11	METAL OXIDE	3.3K	5%	2W
		RES-CHIP	10K	5%	1/10W	R6824	1-249-408-11	CARBON	180	5%	1/4W
R6655	1-216-073-00										
R6658	1-249-393-11	CARBON	10	5%	1/4W	R6825	1-249-408-11	CARBON	180	5%	1/4W
R6659	1-249-393-11	CARBON	10	5%	1/4W						
R6660	1-216-073-00	RES-CHIP	10K	5%	1/10W	R6826	1-216-459-00	METAL OXIDE	2.7K	5%	2W
						R6827	1-215-895-11	METAL OXIDE	3.3K	5%	2W
R6662	1-249-429-11	CARBON	10K	5%	1/4W	R6828	1-249-411-11	CARBON	330	5%	1/4W
	1-249-429-11		10K		1/4W	R6829	1-249-411-11		330		1/4W
R6663		CARBON		5%				CARBON		5%	
R6664	1-249-421-11	CARBON	2.2K	5%	1/4W	R6830	1-247-764-11	CARBON	10K	5%	1/2W
R6666	1-249-429-11	CARBON	10K	5%	1/4W						
R6667	1-249-425-11	CARBON	4.7K	5%	1/4W	R6831	1-247-764-11	CARBON	10K	5%	1/2W
						R6832	1-215-477-00	METAL	220K	1%	1/4W
R6669	1-249-417-11	CARBON	1K	5%	1/4W	R6833	1-215-493-00	METAL	1M	1%	1/4W
R6670	1-216-073-00	RES-CHIP	10K	5%	1/10W	R6834	1-216-381-11	METAL OXIDE	0.22	5%	3W
R6671	1-217-611-00	METAL	0.1	10%	2W	R6835	1-216-381-11	METAL OXIDE	0.22	5%	3W
R6672	1-249-421-11	CARBON	2.2K	5%	1/4W						
R6674	1-249-418-11	CARBON	1.2K	5%	1/4W	R6836	1-215-905-11	METAL OXIDE	10	5%	3W
						R6837	1-215-905-11	METAL OXIDE	10	5%	3W
R6675	1-208-774-11	METAL CHIP	470	0.5%	1/10W	R6838	1-215-461-00	METAL	47K	1%	1/4W
R6679	1-249-437-11	CARBON	47K	5%	1/4W	R6839	1-249-405-11	CARBON	100	5%	1/4W
R6680	1-216-362-11	METAL OXIDE	0.27	5%	2W	R6841	1-216-434-11	METAL OXIDE	1.8K	5%	1W
R6681	1-249-429-11	CARBON	10K	5%	1/4W						
R6682	1-249-416-11	CARBON	820	5%	1/4W	R6842	1-215-923-00	METAL OXIDE	10K	5%	3W
						R6843	1-216-073-00	RES-CHIP	10K	5%	1/10W
R6683	1-260-127-11	CARBON	220K	5%	1/2W	R6844	1-247-807-31	CARBON	100	5%	1/4W
R6685	1-249-421-11	CARBON	2.2K	5%	1/4W	R6846	1-260-127-11	CARBON	220K	5%	1/2W
R6686 △	1-247-289-11	METAL	8.2M	5%	1W	R6851	1-260-288-11	CARBON	0.47	5%	1/2W
R6688	1-249-417-11	CARBON	1K	5%	1/4W						
R6689	1-249-389-11	CARBON	4.7	5%	1/4W	R6852	1-216-345-11	METAL OXIDE	0.47	5%	1W
110007	1-277-307-11	CAICDON	7.7	J /0	1/7 11	R6853	1-260-288-11	CARBON	0.47	5%	1/2W
						R6854	1-215-923-00	METAL OXIDE			3W
R6690	1-249-429-11	CARBON	10 K	5%	1/4W				10K	5%	
R6691	1-260-131-11	CARBON	470K	5%	1/2W	R6855	1-214-899-81	METAL	27K	1%	1/2W
R6692	1-249-410-11	CARBON	270	5%	1/4W	R6856	1-215-923-00	METAL OXIDE	10K	5%	3W
R6693	1-215-451-00	METAL	18K	1%	1/4W						
						R6857	1-215-923-00	METAL OXIDE	10K	5%	3W
R6694	1-215-471-00	METAL	120K	1%	1/4W	R6858	1-214-899-81	METAL	27K	1%	1/2W
R6696	1-215-925-11	METAL OXIDE	22K	5%	3W	R6859	1-215-871-11	METAL OXIDE	2.2K	5%	1W
R6699	1-216-073-00	RES-CHIP	10K	5%	1/10W	R6860	1-215-923-00	METAL OXIDE	10K	5%	3W
R6701	1-216-073-00	RES-CHIP	10K	5%	1/10W	R6861	1-216-295-11	SHORT	0		
R6702	1-216-689-11	RES-CHIP	39K	5%	1/10W						
						R6862	1-216-081-00	RES-CHIP	22K	5%	1/10W
R6704	1-249-377-11	CARBON	0.47	5%	1/4W	R6863	1-215-894-11	METAL OXIDE	2.2K	5%	2W
R6710	1-217-158-00	METAL	0.47	10%	5W	R6864	1-216-081-00	RES-CHIP	22K	5%	1/10W
R6713	1-208-822-11	METAL CHIP	47K	0.5%	1/10W	R6865	1-216-103-00	RES-CHIP	180K	5%	1/10W
R6714	1-208-822-11	METAL CHIP	47K	0.5%	1/10W	R6866	1-215-433-00	METAL	3.3K	1%	1/4W
R6715	1-208-806-11	METAL CHIP	10K	0.5%	1/10W						
						R6867	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R6800	1-249-429-11	CARBON	10K	5%	1/4W						
						R6868	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R6801	1-249-429-11	CARBON	10K	5%	1/4W	R6869	1-216-115-00	RES-CHIP	560K	5%	1/10W
R6802	1-249-429-11	CARBON	10K	5%	1/4W						
						•					



REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK
R6870 R6871	1-216-057-00 1-208-822-11	RES-CHIP METAL CHIP	2.2K 47K	5% 0.5%	1/10W 1/10W			<varistor></varistor>		
10071	1 200 022 11	WIE IT IE CITI	1711	0.570	1,1011	VD6601	1-803-614-11	VARISTOR		
R6872	1-260-125-11	CARBON	150K	5%	1/2W	VD6603	1-803-830-11	VARISTOR (ERZV	/14D621)	
R6873	1-260-125-11	CARBON	150K	5%	1/2W					
R6875 R6876	1-249-417-11 1-216-391-11	CARBON METAL OXIDE	1K 1.5	5% 5%	1/4W 3W					
R6877	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W	******	********	******	*****	******
R6878	1-208-770-11	METAL CHIP	330	0.5%	1/10W	*	A-1343-928-A	D1 BOARD MOU		
R6880	1-208-802-11	METAL CHIP	6.8K	0.5%	1/10W			******	****	
R6881 R6882	1-215-453-00 1-215-456-00	METAL METAL	22K 30K	1% 1%	1/4W 1/4W		4-382-854-11	SCREW (M3X10),	P SW (+)	
R6883	1-208-806-11	METAL CHIP	10K	0.5%	1/10W		1 302 03 1 11	Beite (Marilo),	1,511 (1)	
R6884	1-249-441-11	CARBON	100K	5%	1/4W			<capacitor></capacitor>		
R6885	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W	C4000	1 126 165 00	EH M	0.1115	5,000/, 501/
R6886 R6887	1-208-798-11 1-216-081-00	METAL CHIP	4.7K 22K	0.5%	1/10W	C4800 C4801	1-136-165-00	FILM FILM	0.1UF 0.047UF	5.00% 50V 5.00% 50V
R6888	1-216-081-00	RES-CHIP RES-CHIP	47K	5% 5%	1/10W 1/10W	C4801 C4802	1-136-161-00 1-163-275-11	CERAMIC CHIP	0.047UF 0.001UF	5.00% 50V 5.00% 50V
KU000	1-210-009-11	KE3-CIIII	4/IX	370	1/10 W	C4802	1-164-004-11	CERAMIC CHIP	0.00101 0.1UF	10.00% 25V
R6889	1-260-125-11	CARBON	150K	5%	1/2W	C4804	1-126-967-11	ELECT	47UF	20.00% 50V
R6890	1-260-125-11	CARBON	150K	5%	1/2W					
R6891	1-216-069-00	RES-CHIP	6.8K	5%	1/10W	C4805	1-126-964-11	ELECT	10UF	20.00% 50V
R6892	1-216-097-11	RES-CHIP	100K	5%	1/10W	C4806	1-163-133-00	CERAMIC CHIP	470PF	5.00% 50V
R6893	1-216-085-00	RES-CHIP	33K	5%	1/10W	C4807	1-164-182-11	CERAMIC CHIP	0.0033UF	10.00% 50V
D <00.4	1 260 122 11	CARRON	COOT.	50/	1 /2337	C4808	1-136-165-00	FILM	0.1UF	5.00% 50V
R6894 R6895	1-260-133-11 1-216-097-11	CARBON RES-CHIP	680K 100K	5% 5%	1/2W 1/10W	C4809	1-163-275-11	CERAMIC CHIP	0.001UF	5.00% 50V
R6896	1-216-097-11	RES-CHIP	47K	5%	1/10W 1/10W	C4810	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
R6897	1-216-097-11	RES-CHIP	100K	5%	1/10W	C4811	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
R6899	1-216-073-00	RES-CHIP	10K	5%	1/10W	C4812	1-126-967-11	ELECT	47UF	20.00% 50V
						C4813	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
R6900	1-208-810-11	METAL CHIP	15K	0.5%	1/10W	C4814	1-104-664-11	ELECT	47UF	20.00% 25V
R6901	1-208-810-11	METAL CHIP	15K	0.5%	1/10W					
R6902	1-249-441-11	CARBON	100K	5%	1/4W	C4816	1-163-227-11	CERAMIC CHIP	10PF	0.50PF 50V
R6903	1-215-923-00	METAL OXIDE	10K	5%	3W	C4817	1-104-664-11	ELECT	47UF	20.00% 25V
R6905	1-249-389-11	CARBON	4.7	5%	1/4W	C4818 C4820	1-126-961-11 1-107-909-11	ELECT ELECT	2.2UF 47UF	20.00% 50V 20.00% 50V
R6906	1-216-079-00	RES-CHIP	18K	5%	1/10W	C4820	1-107-909-11	ELECT	47UF	20.00% 36V 20.00% 16V
R6907	1-216-079-00	RES-CHIP	18K	5%	1/10W	0.021	1 10, 303 11	BBB01	., 01	2010070101
						C4822	1-107-909-11	ELECT	47UF	20.00% 16V
						C4823	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00% 50V
		<relay></relay>				C4824	1-163-809-11	CERAMIC CHIP	0.047UF	10.00% 25V
						C4825	1-163-809-11	CERAMIC CHIP	0.047UF	10.00% 25V
	1-755-018-11	RELAY				C4833	1-126-964-11	ELECT	10UF	20.00% 50V
RY6602	1-755-357-11	RELAY, AC POWE	ER			C4834	1-126-933-11	ELECT	100UF	20.00% 16V
RY66032	1-755-357-11	RELAY, AC POWE	ER			C4835	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
						C4850	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
		TD ANCEODME	۸.			C6101	1-107-714-11	ELECT	10UF	20.00% 50V
		<transformer< td=""><td>(></td><td></td><td></td><td>C6102</td><td>1-109-953-11</td><td>ELECT</td><td>2.2UF</td><td>20.00% 50V</td></transformer<>	(>			C6102	1-109-953-11	ELECT	2.2UF	20.00% 50V
T6100 △	1-433-844-11	TRANSFORMER,	CONVERTE	ER		C6103	1-107-714-11	ELECT	10UF	20.00% 50V
	1-435-690-11	TRANSFORMER,				C6104	1-126-965-11	ELECT	22UF	20.00% 50V
T6800	1-429-741-11	TRANSFORMER,		21 (111)		C6105	1-126-933-11	ELECT	100UF	20.00% 16V
T6801	1-433-934-11	TRANSFORMER,		DFT)		C6106	1-163-809-11	CERAMIC CHIP	0.047UF	10.00% 25V
T6802	1-433-489-11	TRANSFORMER,	FERRITE (H	IDT)		C6108	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
_						C6109	1-104-664-11	ELECT	47UF	20.00% 25V
	1-453-349-11	TRANSFORMER			K-4522//J1I4)	C6109	1-104-004-11	CERAMIC CHIP	0.022UF	20.00% 23 V 10.00% 50V
T6804	1-433-489-11	TRANSFORMER,	FERRITE (H	IDT)		C6113	1-136-347-11	FILM	0.02201 0.0047UF	5.00% 630V
						C6114	1-104-664-11	ELECT	47UF	20.00% 25V
		<thermistor></thermistor>				C6115	1-163-005-11	CERAMIC CHIP	470PF	10.00% 50V
						04444	1 162 655 11	OED LLOS OVE	0.001	5.000/ 5077
TH6100	1-803-586-11	THERMISTOR, N	TC			C6116	1-163-275-11	CERAMIC CHIP	0.001UF	5.00% 50V
TH6601	1-803-540-11	THERMISTOR				C6117 C6118	1-163-275-11 1-107-909-11	CERAMIC CHIP ELECT	0.001UF 47UF	5.00% 50V 20.00% 16V
						C0110	1-10/-202-11	ELECT	+/UI	20.0070 10 V



REF. NO	PART NO.	DESCRIPTION		REMARK	REF. NO	PART NO.	DESCRIPTION		REMARK
C6120 C6121	1-163-809-11 1-126-963-11	CERAMIC CHIP ELECT	0.047UF 4.7UF	10.00% 25V 20.00% 50V			<diode></diode>		
C0121	1-120-903-11	ELECT	4.70F	20.00% 30 V	D4800	8-719-914-43	DIODE DAN202K		
C6122	1-104-664-11	ELECT	47UF	20.00% 25V	D4801	8-719-914-43	DIODE DAN202K		
C6123	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V	D4802	8-719-109-81	DIODE RD4.7ESB2		
C6124	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V	D4803	8-719-911-19	DIODE 1SS119-25		
C6125	1-128-551-11	ELECT	22UF	20.00% 25V	D4804	8-719-911-19	DIODE 1SS119-25		
C6127	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V	D4807	8-719-914-43	DIODE DAN202K		
C6128	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V	D4808	8-719-914-43	DIODE DAN202K		
C6129	1-126-964-11	ELECT	10UF	20.00% 50V	D4809	8-719-914-43	DIODE DAN202K		
C6131	1-126-964-11	ELECT	10UF	20.00% 50V	D4811	1-249-381-11	CARBON 1	5%	1/4W
C6133	1-137-194-81	FILM	0.47UF	5.00% 50V	D4812	8-719-911-19	DIODE 1SS119-25		
C6136	1-129-716-00	FILM	0.015UF	5.00% 630V					
					D4814	8-719-073-01	DIODE MA111-(K8).S0		
C6138	1-126-968-11	ELECT	100UF	20.00% 50V	D4815	8-719-109-54	DIODE RD2.2ES-B2		
C6139	1-107-902-11	ELECT	1UF	20.00% 50V	D4816	8-719-911-19	DIODE 1SS119-25		
C6140	1-126-960-11	ELECT	1UF	20.00% 50V	D6101	8-719-510-02	DIODE D1NS4		
C6201	1-104-664-11	ELECT	47UF	20.00% 25V	D6102	8-719-510-02	DIODE D1NS4		
C6202	1-104-664-11	ELECT	47UF	20.00% 25V					
					D6103	8-719-063-73	DIODE D1NL20U-TR		
C6203	1-104-664-11	ELECT	47UF	20.00% 25V	D6104	8-719-911-19	DIODE 1SS119-25		
C6204	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V	D6105	8-719-109-60	DIODE R2D2.7ESB2		
C6205	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V	D6106	8-719-510-02	DIODE D1NS4		
C6206	1-126-964-11	ELECT	10UF	20.00% 50V	D6107	8-719-109-85	DIODE RD5.1ESB2		
C6207	1-104-664-11	ELECT	47UF	20.00% 25V	D (100	0.740.044.40	DYODE 199110 AFED		
G (200		Dr. D.Om	457.75	20.000/2511	D6108	8-719-911-19	DIODE 1SS119-25TD		
C6208	1-104-664-11	ELECT	47UF	20.00% 25V	D6109	8-719-911-19	DIODE ISS119-25TD		
C6209	1-163-133-00	CERAMIC CHIP	470PF	5.00% 50V	D6110	8-719-987-87	DIODE ERA82-009		
C6210	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50V	D6133	8-719-911-19	DIODE 188119-25		
C6211 C6212	1-126-964-11 1-164-222-11	ELECT CERAMIC CHIP	10UF 0.22UF	20.00% 50V 25V	D6134	8-719-911-19	DIODE 1SS119-25		
C0212	1-104-222-11	CERAINIC CIII	0.2201	23 V	D6201	8-719-109-88	DIODE RD5.6ES-B1		
C6350	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	D6210	8-719-109-88	DIODE RD5.6ES-B1		
C6351	1-104-664-11	ELECT	47UF	20.00% 25V	D6350	8-719-914-43	DIODE DAN202K		
C6353	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V	D6351	8-719-914-43	DIODE DAN202K		
C6354	1-126-964-11	ELECT	10UF	20.00% 50V	D6355	8-719-914-43	DIODE DAN202K		
C6355	1-163-251-11	CERAMIC CHIP	100PF	5.00% 50V					
					D6404	8-719-914-43	DIODE DAN202K		
C6356	1-163-809-11	CERAMIC CHIP	0.047UF	10.00% 25V					
C6358	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V					
C6361	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V			<ic></ic>		
C6362	1-164-182-11	CERAMIC CHIP	0.0033UF	10.00% 50V					
C6365	1-163-809-11	CERAMIC CHIP	0.047UF	10.00% 25V	IC4800	8-759-450-95	IC LM393N		
					IC4801	8-759-450-95			
C6376	1-104-664-11	ELECT	47UF	20.00% 25V	IC4802	8-759-638-79	IC NJM3404AD-W		
C6377	1-104-664-11	ELECT	47UF	20.00% 25V	IC4803	8-759-135-80	IC LM358C		
C6378	1-115-339-11	CERAMIC CHIP	0.1UF	10.00% 50V	IC6101	8-752-053-21	IC CXA1211M-T4		
C6380	1-136-495-11	FILM	0.068UF	5.00% 50V	10(100	0.750.450.05	IC I MOOON		
C6381	1-126-964-11	ELECT	10UF	20.00% 50V	IC6102	8-759-450-95	IC LM393N		
C6295	1 104 664 11	ELECT	47LIE	20.000/ 251/	IC6103	8-759-450-95	IC LM393N		
C6385 C6386	1-104-664-11 1-104-664-11	ELECT ELECT	47UF 47UF	20.00% 25V 20.00% 25V	IC6104 IC6105	8-759-803-42 8-759-450-95	IC LA6500-FA IC LM393N		
C6388	1-104-004-11	ELECT	10UF	20.00% 25 V 20.00% 50V	IC6103	8-759-198-31	IC UPC1093J-1-T		
C6392	1-120-904-11	ELECT	47UF	20.00% 30V 20.00% 25V	100100	0-739-190-31	IC 0FC1093J-1-1		
C6409	1-126-963-11	ELECT	4.7UF	20.00% 25 V 20.00% 50V	IC6107	8-759-325-48	IC CA0005AD		
2010)	1 120 703 11	LLLC I	1.701	23.00/030 1	IC6108	8-759-567-08	IC MB88141APF-ER		
					IC6201	8-759-183-37	IC CA0007AD		
		<connector></connector>			IC6202	8-759-135-80	IC LM358C		
					IC6351	8-759-450-95	IC LM393N		
CN6100	1-783-966-11	CONNECTOR, BO	OARD TO BO	ARD 30P					
	* 1-564-518-11	PLUG, CONNECT			IC6353	8-759-231-53	IC TA7805S		
CN6104	* 1-564-523-11	PLUG, CONNECT	OR 8P		IC6354	8-759-325-48	IC CA0005AD		
CN6106	1-783-966-11	CONNECTOR, BC	OARD TO BO	ARD 30P	IC6356	8-759-822-38	IC LA6510		



DEE NO	DADT NO	DESCRIPTION		DEMADE	DEE NO	DA DT NO	DESCRIPTION			DEMADV
KEF. NO	PART NO.	DESCRIPTION		REMARK	KEF. NO.	PART NO.	DESCRIPTION			REMARK
		<chip conduct<="" td=""><td>TOR></td><td></td><td>Q6106</td><td>8-729-026-49</td><td>TRANSISTOR 2SA</td><td>A1037AK-T14</td><td>6-QR</td><td></td></chip>	TOR>		Q6106	8-729-026-49	TRANSISTOR 2SA	A1037AK-T14	6-QR	
					Q6107	8-729-140-93	TRANSISTOR 2SI	3733-34		
JR6100	1-216-295-11	SHORT	0		Q6108	8-729-026-49	TRANSISTOR 2SA	A1037AK-T14	6-QR	
JR6101	1-216-295-11	SHORT	0		Q6118	8-729-230-49	TRANSISTOR 2SO		•	
JR6102	1-216-295-11	SHORT	0		Q6124	1-801-806-11	TRANSISTOR DT			
JR6103	1-216-295-11	SHORT	0		Q012+	1 001 000 11	TREMOISTOR DI	CITTLICI		
JR6103		SHORT	0		06125	9 720 220 40	TD ANGICTOD 200	22712 VG		
JK0104	1-216-295-11	SHOKI	U		Q6125	8-729-230-49	TRANSISTOR 2SO		6 O.D.	
TD 5405		arronm.	^		Q6126	8-729-026-49	TRANSISTOR 2SA		6-QK	
JR6105	1-216-295-11	SHORT	0		Q6128	8-729-023-22	TRANSISTOR 2SI			
JR6106	1-216-295-11	SHORT	0		Q6201	8-729-230-49	TRANSISTOR 2SO			
JR6107	1-216-295-11	SHORT	0		Q6202	8-729-230-49	TRANSISTOR 2SO	C2712-YG		
JR6108	1-216-295-11	SHORT	0							
JR6109	1-216-295-11	SHORT	0		Q6203	8-729-422-33	TRANSISTOR 2PI	D601A-Q-TX		
					Q6350	8-729-230-49	TRANSISTOR 2SO	C2712-YG		
JR6112	1-216-295-11	SHORT	0		Q6356	8-729-230-49	TRANSISTOR 2SO			
JR6113	1-216-295-11	SHORT	0		Q6405	8-729-026-49	TRANSISTOR 2SA		6-OR	
JR6114	1-216-295-11	SHORT	0		Q6455	8-729-230-49	TRANSISTOR 2SO		o QI	
JR6115	1-216-295-11	SHORT	0		Q0 1 33	0-727-230-47	TRANSISTOR 250	22/12-1G		
JR6116	1-216-295-11	SHORT	0				PEGIGEOP			
TD 4445		arronm.					<resistor></resistor>			
JR6117	1-216-295-11	SHORT	0		5		P.D.G. 6	100	- 0.	4 /4 0
JR6119	1-216-295-11	SHORT	0		R4408	1-216-025-11	RES-CHIP	100	5%	1/10W
					R4409	1-216-073-00	RES-CHIP	10K	5%	1/10W
					R4410	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
		<coil></coil>			R4411	1-216-073-00	RES-CHIP	10K	5%	1/10W
					R4412	1-216-097-11	RES-CHIP	100K	5%	1/10W
L4800	1-412-537-31	INDUCTOR	100UH							
L6101	1-416-920-11	INDUCTOR	10MH		R4413	1-216-073-00	RES-CHIP	10K	5%	1/10W
L6102	1-406-989-21	INDUCTOR	10MH		R4800	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
L0102	1-400-303-21	INDUCTOR	TOWIT		R4801	1-216-037-00	RES-CHIP	2.2K 1K	5%	1/10W
		ICI DIII			R4802	1-216-073-00	RES-CHIP	10K	5%	1/10W
		<ic link=""></ic>			R4803	1-216-049-11	RES-CHIP	1K	5%	1/10W
PS6101	1-533-589-31	LINK, IC			R4804	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
					R4805	1-208-792-11	METAL CHIP	2.7K	0.5%	1/10W
					R4806	1-208-792-11	METAL CHIP	2.7K	0.5%	1/10W
		<transistor></transistor>			R4807	1-216-049-11	RES-CHIP	1K	5%	1/10W
					R4809	1-216-073-00	RES-CHIP	10K	5%	1/10W
Q4800	8-729-230-49	TRANSISTOR 2SO	C2712-YG							
Q4801	8-729-230-49	TRANSISTOR 2SO			R4810	1-208-814-91	METAL CHIP	22K	0.5%	1/10W
Q4802	8-729-230-49	TRANSISTOR 2SO			R4811	1-208-814-91	METAL CHIP	22K	0.5%	1/10W
Q4802 Q4803	8-729-230-49	TRANSISTOR 2SO			R4812	1-216-295-11	SHORT	0	0.570	1/10 W
									50/	1 /1 0337
Q4804	8-729-230-49	TRANSISTOR 2SO	C2/12-YG		R4813	1-216-089-11	RES-CHIP	47K	5%	1/10W
0.100-	0.500.550.	mp	22512 Y/C		R4814	1-216-097-11	RES-CHIP	100K	5%	1/10W
Q4805	8-729-230-49	TRANSISTOR 2SO								
Q4806	8-729-230-49	TRANSISTOR 2SO			R4815	1-208-830-11	METAL CHIP	100K	0.5%	1/10W
Q4807	8-729-230-49	TRANSISTOR 2SO	C2712-YG		R4816	1-216-073-00	RES-CHIP	10K	5%	1/10W
Q4808	8-729-216-22	TRANSISTOR 2SA	A1162-G		R4817	1-208-854-11	METAL CHIP	1M	0.5%	1/10W
Q4809	8-729-216-22	TRANSISTOR 2SA	A1162-G		R4818	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
-					R4819	1-216-049-11	RES-CHIP	1K	5%	1/10W
Q4810	8-729-230-49	TRANSISTOR 2SO	C2712-YG							
Q4811	8-729-230-49	TRANSISTOR 2SO			R4820	1-216-073-00	RES-CHIP	10K	5%	1/10W
Q4812	8-729-216-22	TRANSISTOR 2SA			R4821	1-216-073-00	RES-CHIP	10K	5%	1/10W
Q4813	8-729-216-22	TRANSISTOR 2SA			R4822	1-216-049-11	RES-CHIP	1K	5%	1/10W
					R4823					
Q4814	8-729-216-22	TRANSISTOR 2SA	A1102-G			1-216-049-11	RES-CHIP	1K	5%	1/10W
0.404.5	0.700.01 - 00	TED A MOTORCE CC	1162 C		R4824	1-216-073-00	RES-CHIP	10K	5%	1/10W
Q4815	8-729-216-22	TRANSISTOR 2SA			D 102 =	1 21 : 25 - 25	DEG CTTD	1077	50 :	1 /1 0***
Q4816	8-729-216-22	TRANSISTOR 2SA			R4825	1-216-073-00	RES-CHIP	10K	5%	1/10W
Q4817	8-729-230-49	TRANSISTOR 2SO	C2712-YG		R4826	1-216-049-11	RES-CHIP	1K	5%	1/10W
Q4818	8-729-216-22	TRANSISTOR 2SA	A1162-G		R4827	1-216-295-11	SHORT	0		
Q4820	8-729-230-49	TRANSISTOR 2SO	C2712-YG		R4828	1-249-415-11	CARBON	680	5%	1/4W
					R4829	1-249-415-11	CARBON	680	5%	1/4W
Q4821	1-801-806-11	TRANSISTOR DT	C144EKA							
Q4822	8-729-230-49	TRANSISTOR 2SO			R4831	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W
Q4022 Q6103	8-729-046-33	TRANSISTOR IRI			R4832	1-216-691-11	METAL CHIP	47K	0.5%	1/10W
-										
Q6104	8-729-230-49	TRANSISTOR 2SO			R4833	1-216-691-11	METAL CHIP	47K	0.5%	1/10W
Q6105	8-729-230-49	TRANSISTOR 2SO	2/12-YG		R4834	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W
					R4835	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W
				'						



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R4836	1-216-691-11	METAL CHIP	47K	0.5%	1/10W	R6116	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R4837	1-216-691-11	METAL CHIP	47K	0.5%	1/10W	R6117	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R4838	1-208-830-11	METAL CHIP	100K	0.5%	1/10W	R6118	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R4839	1-208-804-11	METAL CHIP	8.2K	0.5%	1/10W						
R4840	1-216-295-11	SHORT	0			R6119	1-208-796-11	METAL CHIP	3.9K	0.5%	1/10W
						R6120	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
R4841	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6121	1-216-490-11	METAL OXIDE	39K	5%	3W
R4842	1-216-691-11	METAL CHIP	47K	0.5%	1/10W	R6122	1-216-295-11	SHORT	0		
R4843	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6123	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R4844	1-208-796-11	METAL CHIP	3.9K	0.5%	1/10W						
R4845	1-208-830-11	METAL CHIP	100K	0.5%	1/10W	R6124	1-208-800-11	METAL CHIP	5.6K	0.5%	1/10W
						R6125	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R4846	1-216-295-11	SHORT	0			R6126	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W
R4847	1-216-073-00	RES-CHIP	10K	5%	1/10W	R6127	1-208-832-11	METAL CHIP	120K	0.5%	1/10W
R4848	1-216-073-00	RES-CHIP	10K	5%	1/10W	R6128	1-208-838-91	METAL CHIP	220K	0.5%	1/10W
R4849	1-216-085-00	RES-CHIP	33K	5%	1/10W						
R4850	1-216-097-11	RES-CHIP	100K	5%	1/10W	R6129	1-216-353-00	METAL OXIDE	2.2	5%	1W
						R6130	1-216-073-00	RES-CHIP	10K	5%	1/10W
R4851	1-216-053-00	RES-CHIP	1.5K	5%	1/10W	R6131	1-208-816-11	METAL CHIP	27K	0.5%	1/10W
R4852	1-216-081-00	RES-CHIP	22K	5%	1/10W	R6133	1-208-812-11	METAL CHIP	18K	0.5%	1/10W
R4853	1-216-053-00	RES-CHIP	1.5K	5%	1/10W	R6134	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
R4854	1-216-067-00	RES-CHIP	5.6K	5%	1/10W						
R4855	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R6135	1-216-073-00	RES-CHIP	10K	5%	1/10W
						R6136	1-260-099-11	CARBON	1K	5%	1/2W
R4856	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6137	1-216-049-11	RES-CHIP	1K	5%	1/10W
R4857	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W	R6138	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W
R4859	1-208-804-11	METAL CHIP	8.2K	0.5%	1/10W	R6139	1-208-804-11	METAL CHIP	8.2K	0.5%	1/10W
R4860	1-208-758-11	METAL CHIP	100	0.5%	1/10W						
R4861	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6140	1-216-077-91	RES-CHIP	15K	5%	1/10W
						R6141	1-208-830-11	METAL CHIP	100K	0.5%	1/10W
R4862	1-208-806-11	METAL CHIP	10K	0.5%	1/10W	R6142	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
R4864	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W	R6143	1-208-792-11	METAL CHIP	2.7K	0.5%	1/10W
R4865	1-208-772-11	METAL CHIP	390	0.5%	1/10W	R6144	1-208-840-11	METAL CHIP	270K	0.5%	1/10W
R4866	1-216-089-11	RES-CHIP	47K	5%	1/10W						
R4869	1-208-814-91	METAL CHIP	22K	0.5%	1/10W	R6149	1-208-828-11	METAL CHIP	82K	0.5%	1/10W
						R6150	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
R4871	1-208-822-11	METAL CHIP	47K	0.5%	1/10W	R6151	1-216-049-11	RES-CHIP	1K	5%	1/10W
R4872	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6152	1-216-081-00	RES-CHIP	22K	5%	1/10W
R4874	1-216-295-11	SHORT	0			R6153	1-216-105-91	RES-CHIP	220K	5%	1/10W
R4875	1-216-057-00	RES-CHIP	2.2K	5%	1/10W						
R4877	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6154	1-208-802-11	METAL CHIP	6.8K	0.5%	1/10W
						R6155	1-208-822-11	METAL CHIP	47K	0.5%	1/10W
R4878	1-208-834-11	METAL CHIP	150K	0.5%	1/10W	R6156	1-216-077-91	RES-CHIP	15K	5%	1/10W
R4879	1-216-105-91	RES-CHIP	220K	5%	1/10W	R6157	1-216-089-11	RES-CHIP	47K	5%	1/10W
R4880	1-216-295-11	SHORT	0			R6158	1-216-689-11	RES-CHIP	39K	5%	1/10W
R4881	1-216-295-11	SHORT	0								
R4882	1-208-816-11	METAL CHIP	27K	0.5%	1/10W	R6159	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W
						R6161	1-208-814-91	METAL CHIP	22K	0.5%	1/10W
R4883	1-208-842-11	METAL CHIP	330K	0.5%	1/10W	R6162	1-216-049-11	RES-CHIP	1K	5%	1/10W
R4884	1-216-691-11	METAL CHIP	47K	0.5%	1/10W	R6168	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R4887	1-208-814-91	METAL CHIP	22K	0.5%	1/10W	R6169	1-208-776-11	METAL CHIP	560	0.5%	1/10W
R4892	1-216-295-11	SHORT	0		4 /4 0***	D 64.50	4 24 5 027 00	DEG GUID	220		4 /4 0377
R6101	1-216-025-11	RES-CHIP	100	5%	1/10W	R6170	1-216-037-00	RES-CHIP	330	5%	1/10W
D (100		DEG CITE	477		4 /4 0***	R6171	1-216-113-00	RES-CHIP	470K	5%	1/10W
R6103	1-216-049-11	RES-CHIP	1K	5%	1/10W	R6172	1-216-105-91	RES-CHIP	220K	5%	1/10W
R6104	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R6173	1-216-097-11	RES-CHIP	100K	5%	1/10W
R6105	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W	R6174	1-216-079-00	RES-CHIP	18K	5%	1/10W
R6106	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W	D 44.55		A CENTRAL TO CALLED	2577	0.50	4 /4 0
R6107	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6175	1-208-816-11	METAL CHIP	27K	0.5%	1/10W
D <100	1 01 4 070 04	DEC CUID	1077	50/	1/10337	R6176	1-249-389-11	CARBON	4.7	5%	1/4W
R6108	1-216-073-00	RES-CHIP	10K	5%	1/10W	R6177	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R6109	1-216-073-00	RES-CHIP	10K	5%	1/10W	R6178	1-249-389-11	CARBON	4.7	5%	1/4W
R6110	1-216-295-11	SHORT	0	0.50/	1/10337	R6179	1-216-101-00	RES-CHIP	150K	5%	1/10W
R6112	1-208-826-11	METAL CHIP	68K	0.5%	1/10W	DC100	1 216 057 00	DEC CLUD	2.21/	£0/	1/1037
R6113	1-208-822-11	METAL CHIP	47K	0.5%	1/10W	R6180	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
DC114	1 200 000 11	METAL CUID	1017	0.50/	1/1007	R6181	1-216-105-91	RES-CHIP	220K	5%	1/10W
R6114	1-208-806-11	METAL CHIP	10K	0.5%	1/10W	R6190	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R6115	1-208-814-91	METAL CHIP	22K	0.5%	1/10W	R6192	1-216-295-11	SHORT	0 10 V	0.50/	1/10W
						R6195	1-208-806-11	METAL CHIP	10K	0.5%	1/10W



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F	REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
F	R6200	1-249-377-11 1-208-827-11 1-247-750-11	CARBON METAL CHIP CARBON	0.47 75K 680	5% 0.5% 5%	1/4W 1/10W 1/2W	R6458 R6459	1-216-089-11 1-216-057-00	RES-CHIP RES-CHIP	47K 2.2K	5% 5%	1/10W 1/10W
		1-216-061-00	RES-CHIP	3.3K	5%	1/10W						
F	R6203	1-215-906-11	METAL OXIDE	15	5%	3W	*******	*********	******	******	*****	*****
F	R6204	1-216-057-00	RES-CHIP	2.2K	5%	1/10W						
		1-216-033-00	RES-CHIP	220	5%	1/10W	*	A-1241-437-A	F1 BOARD MOUN			
		1-208-794-11 1-208-806-11	METAL CHIP METAL CHIP	3.3K 10K	0.5% 0.5%	1/10W 1/10W				*******		
F	R6209	1-216-099-00	RES-CHIP	120K	5%	1/10W	*	1-533-223-11 4-374-846-01	HOLDER, FUSE COVER, CAPACIT	OR, CAP TY	PE	
		1-216-057-00	RES-CHIP	2.2K	5%	1/10W						
		1-216-073-00 1-216-057-00	RES-CHIP RES-CHIP	10K 2.2K	5% 5%	1/10W 1/10W			<capacitor></capacitor>			
		1-216-097-11	RES-CHIP	100K	5%	1/10W			CHITICITOIO			
F	R6215	1-208-836-11	METAL CHIP	180K	0.5%	1/10W	C1601 △	1-104-708-51	MYLAR	0.47UF	20.00%	6 250V
F	R6216	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	C1602 ⚠	1-109-835-51	MYLAR	0.68UF	20.00%	6 250V
		1-216-073-00	RES-CHIP	10K	5%	1/10W	C1603 △	1-117-703-51	CERAMIC	0.0047UF	99%	250V
		1-208-836-11	METAL CHIP	180K	0.5%	1/10W						
		1-208-782-11 1-208-822-11	METAL CHIP METAL CHIP	1K 47K	0.5% 0.5%	1/10W 1/10W			<connector></connector>			
1	0220	1-200-022-11	WILIAL CIII	4/K	0.570	1/10**						
		1-208-822-11	METAL CHIP	47K	0.5%	1/10W			PIN, CONNECTOR			
		1-216-295-11 1-216-295-11	SHORT SHORT	0					PIN, CONNECTOR	R (POWER)		
		1-208-824-11	METAL CHIP	56K	0.5%	1/10W	CN1004	1-695-915-11	TAB (CONTACT)			
F	R6225	1-208-824-11	METAL CHIP	56K	0.5%	1/10W						
ī	R6226	1-216-033-00	RES-CHIP	220	5%	1/10W			<fuse></fuse>			
		1-216-033-00	RES-CHIP	220	5%	1/10W	F1601 A	1-532-299-11	FUSE, TIME-LAG	5 A /250V		
		1-216-017-91	RES-CHIP	47	5%	1/10W	11001 213	1-332-277-11	TOSE, TIME-LAG	JAJ 230 V		
		1-216-017-91 1-208-808-11	RES-CHIP METAL CHIP	47 12K	5% 0.5%	1/10W 1/10W						
1	(0320	1-200-000-11	WEIAL CIII	12K	0.570	1/10 W			<ferrite bead<="" td=""><td>></td><td></td><td></td></ferrite>	>		
		1-216-067-00	RES-CHIP	5.6K	5%	1/10W	FB1601	1-410-397-21	FERRITE	1.1UH		
		1-216-067-00 1-216-057-00	RES-CHIP RES-CHIP	5.6K 2.2K	5% 5%	1/10W 1/10W		1-410-397-21	FERRITE	1.1UH		
		1-216-097-11	RES-CHIP	100K	5%	1/10W		1-410-397-21 1-410-397-21	FERRITE FERRITE	1.1UH 1.1UH		
F	R6360	1-216-073-00	RES-CHIP	10K	5%	1/10W	1.01004	1-410-397-21	TERRITE	1.1011		
		1-216-097-11	RES-CHIP	100K	5%	1/10W			<resistor></resistor>			
		1-208-808-11	METAL CHIP	12K	0.5%	1/10W						
		1-208-810-11 1-216-041-00	METAL CHIP RES-CHIP	15K 470	0.5% 5%	1/10W 1/10W	R1601 🛆	1-202-885-91	SOLID	1M	10%	1/2W
		1-215-473-00	METAL	150K	1%	1/4W						
I	R6379	1-216-295-11	SHORT	0					<transformer< td=""><td>></td><td></td><td></td></transformer<>	>		
		1-208-830-11	METAL CHIP	100K	0.5%	1/10W						
F	R6385	1-216-295-11	SHORT	0			T1601 🛆	1-433-900-11	TRANSFORMER,	LINE FILTER	₹	
		1-208-830-11	METAL CHIP	100K	0.5%	1/10W	T1602 △	1-433-900-11	TRANSFORMER,	LINE FILTER	}	
1	R6391	1-216-049-11	RES-CHIP	1K	5%	1/10W						
		1-216-069-00	RES-CHIP	6.8K	5%	1/10W			<varistor></varistor>			
		1-208-806-11	METAL CHIP	10K	0.5%	1/10W	VDD161	1 002 020 11	VADICTOD (EDZ)	/1/D/21)		
		1-208-808-11 1-216-113-00	METAL CHIP RES-CHIP	12K 470K	0.5% 5%	1/10W 1/10W	VDK161	1-803-830-11	VARISTOR (ERZV	(14D621)		
		1-216-097-11	RES-CHIP	100K	5%	1/10W						
T	R6420	1-216-111-00	RES-CHIP	390K	5%	1/10W	******	*********	*******	******	*****	*****
		1-216-111-00	RES-CHIP	100K	5%	1/10W 1/10W			and the second s			
F	R6438	1-215-437-00	METAL	4.7K	1%	1/4W						
		1-216-057-00	RES-CHIP	2.2K	5%	1/10W						
ŀ	R6456	1-216-097-11	RES-CHIP	100K	5%	1/10W						
F	R6457	1-208-814-91	METAL CHIP	22K	0.5%	1/10W						
							1					





REF. NO. PART NO.	DESCRIPTION		REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
* A-1372-869-A	H1 BOARD MOUNTEI			R1915 R1916	1-249-429-11 1-249-401-11	CARBON CARBON	10K 47	5% 5%	1/4W 1/4W
* 4-055-304-01	HOLDER, LED			R1917 R1920	1-247-807-31 1-247-807-31	CARBON CARBON	100 100	5% 5%	1/4W 1/4W
	<capacitor></capacitor>			R1921 R1933 R1934	1-247-807-31 1-247-895-91	CARBON CARBON CARBON	100 470K 100	5% 5% 5%	1/4W 1/4W 1/4W
C1910 1-104-664-11 C1911 1-104-664-11 C1912 1-102-824-00	ELECT 470 ELECT 470 CERAMIC 470	UF 20.00%	16V	R1934 R1935 R1936	1-247-807-31 1-247-807-31 1-247-895-91	CARBON CARBON	100 100 470K	5% 5%	1/4W 1/4W 1/4W
C1930 1-136-153-00 C1932 1-136-153-00	FILM 0.0	1UF 5.00% 1UF 5.00%	50V	R1952 R1970 R1971	1-249-421-11 1-249-426-11 1-249-413-11	CARBON CARBON CARBON	2.2K 5.6K 470	5% 5% 5%	1/4W 1/4W 1/4W
C1935 1-102-824-00 C1938 1-102-824-00	CERAMIC 470 CERAMIC 470	DPF 5.00% DPF 5.00%		R1972 R1973	1-249-417-11 1-249-420-11	CARBON CARBON	1K 1.8K	5% 5%	1/4W 1/4W
	<connector></connector>			R1974	1-247-843-11	CARBON	3.3K	5%	1/4W
CN1651* 1-580-844-11 CN1652* 1-580-844-11	PIN, CONNECTOR (PO	,				<switch></switch>			
CN1905 * 1-764-333-11 CN1932 * 1-564-509-11 CN1934 * 1-764-333-11	PLUG, CONNECTOR 1 PLUG, CONNECTOR 6 PLUG, CONNECTOR 1	10P 5P		S1651 S1972 S1973 S1974	1-571-433-31 1-692-431-21 1-692-431-21 1-692-431-21	SWITCH, PUSH (A SWITCH, TACTIL SWITCH, TACTIL SWITCH, TACTIL	E E		
	<diode></diode>			S1975	1-692-431-21	SWITCH, TACTIL			
D1905 8-719-070-16 D1906 8-719-045-19 D1907 8-719-070-16 D1930 8-719-929-15	DIODE NNCD9.1A-T1 DIODE SPB-26MVWF DIODE NNCD9.1A-T1 DIODE HZS9.1NB2			\$1976 \$1977 \$1978	1-692-431-21 1-692-431-21 1-692-431-21	SWITCH, TACTIL SWITCH, TACTIL SWITCH, TACTIL	Е		
D1944 8-719-070-16 D1945 8-719-911-19	DIODE NNCD9.1A-T1 DIODE 1SS119-25			******	******	******	******	******	*****
D1946 8-719-911-19	DIODE 1SS119-25			*	· A-1388-286-A	J BOARD MOUNT			
	<ic></ic>					<capacitor></capacitor>			
IC1901 8-742-134-00	HYB IC SBX1981-51P			C2410 C2411	1-126-967-11 1-126-967-11	ELECT ELECT	47UF 47UF	20.009	
	<jack></jack>			C2412 C2413	1-126-967-11 1-102-112-00	ELECT CERAMIC	47UF 330PF	20.009	% 50V
J1931 1-770-786-11 J1932 1-784-646-11	JACK TERMINAL, S			C2414	1-102-112-00	CERAMIC	330PF	10.009	
J1933 1-770-329-11	JACK, PIN 3P			C2418 C2419	1-126-960-11 1-126-960-11	ELECT ELECT	1UF 1UF	20.009 20.009	
	<coil></coil>					<connector></connector>			
L1931 1-408-603-31 L1932 1-408-603-31	INDUCTOR 10U INDUCTOR 10U				1-564-523-11 1-564-519-11	PLUG, CONNECT PLUG, CONNECT			
	<transistor></transistor>					<diode></diode>			
Q1901 8-729-030-02 Q1902 8-729-030-02	TRANSISTOR DTC144 TRANSISTOR DTC144			D2410 D2411	8-719-929-15 8-719-929-15	DIODE HSZ9.1NE DIODE HSZ9.1NE			
	<resistor></resistor>			D2411 D2412 D2414 D2415	8-719-929-15 8-719-929-15 8-719-929-15	DIODE HSZ9.1NE DIODE HSZ9.1NE DIODE HSZ9.1NE	2 2 2		
R1911 1-249-411-11 R1913 1-249-429-11 R1914 1-249-411-11	CARBON 330 CARBON 10H CARBON 330	K 5%	1/4W 1/4W 1/4W	D3453 D3454	8-719-110-72 8-719-110-72	DIODE RD30ES-E DIODE RD30ES-E	2		

KV-EX29M69 RM-963





REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
		<jack></jack>				C8834	1-164-004-11	CERAMIC CHIP	0.1UF	10.009	
J2410	1-784-623-11	BLOCK, PIN JACI				C8835	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
J3451	1-694-467-11	TERMINAL, PUSI	H (2P)					<connector></connector>			
		<resistor></resistor>				CN8801	1-793-496-11	CONNECTOR, BC	OARD TO BO	ARD 20)P
R2410	1-247-804-11	CARBON	75	5%	1/4W						
R2411 R2412	1-247-804-11 1-247-804-11	CARBON CARBON	75 75	5% 5%	1/4W 1/4W			<diode></diode>			
R2414	1-247-887-00	CARBON	220K	5%	1/4W	D8801	8-719-073-01	DIODE MA111-(K	(8).S0		
R2415	1-247-807-31	CARBON	100	5%	1/4W						
R2417 R2418	1-247-887-00 1-247-807-31	CARBON CARBON	220K 100	5% 5%	1/4W 1/4W			<filter></filter>			
R2419	1-249-409-11	CARBON	220	5%	1/4W	FL8802	1-236-071-11	ENCAPSULATED	COMPONE	NT	
R2420	1-249-409-11	CARBON	220	5%	1/4W	FL8803	1-236-071-11	ENCAPSULATED	COMPONE	NT	
R2421	1-249-409-11	CARBON	220	5%	1/4W	FL8804	1-236-071-11	ENCAPSULATED			
						FL8805	1-236-071-11	ENCAPSULATED			
						FL8808	1-236-071-11	ENCAPSULATED	COMPONE	NT	
*****	*******	*******	*****	*****	******						
	* A-1195-161-A	P BOARD COMPI	LETE					<ic></ic>			
		******				IC8801	8-759-658-34	IC SDA9588X			
						IC8802	8-759-460-72	IC BA033FP-E2			
		<capacitor></capacitor>									
C8801	1-104-665-11	ELECT	100UF	20.009	6 10V			<coil></coil>			
C8802	1-164-004-11	CERAMIC CHIP	0.1UF	10.009		L8801	1-408-603-31	INDUCTOR	10UH		
C8803	1-163-227-11	CERAMIC CHIP	10PF	0.50PF 50V		L8806	1-412-537-31	INDUCTOR	100UH		
C8804	1-163-227-11	CERAMIC CHIP	10PF	0.50PI		L8807	1-408-603-31	INDUCTOR	10UH		
C8805	1-164-004-11	CERAMIC CHIP	0.1UF	10.009	6 25V	L8809	1-408-412-00	INDUCTOR	18UH		
C8806	1-164-004-11	CERAMIC CHIP	0.1UF	10.009	6 25V						
C8807	1-164-004-11	CERAMIC CHIP	0.1UF	10.009				<transistor></transistor>			
C8808	1-126-967-11	ELECT	47UF	20.009		00004	0.500.044.00	mp			
C8809	1-126-967-11	ELECT	47UF	20.009		Q8801	8-729-216-22	TRANSISTOR 2SA			
C8810	1-104-665-11	ELECT	100UF	20.009	6 10 V	Q8802 Q8803	8-729-216-22 8-729-216-22	TRANSISTOR 2SA TRANSISTOR 2SA			
C8811	1-164-004-11	CERAMIC CHIP	0.1UF	10.009	625V	Q8803 Q8804	8-729-026-49	TRANSISTOR 2SA		46-OR	
C8812	1-164-004-11	CERAMIC CHIP	0.1UF	10.009		Q8805	8-729-026-49	TRANSISTOR 2SA		-	
C8813	1-164-004-11	CERAMIC CHIP	0.1UF	10.009		C					
C8814	1-164-004-11	CERAMIC CHIP	0.1UF	10.009	6 25 V	Q8806	8-729-230-49	TRANSISTOR 2SO	C2712-YG		
C8815	1-164-004-11	CERAMIC CHIP	0.1UF	10.009	6 25V	Q8807	8-729-230-49	TRANSISTOR 2SO			
00016	1 104 665 11	DI DOT	10017	20.000	. 1017	Q8808	8-729-216-22	TRANSISTOR 2SA			
C8816 C8817	1-104-665-11 1-104-665-11	ELECT ELECT	100UF 100UF	20.009		Q8809 Q8810	8-729-216-22 8-729-216-22	TRANSISTOR 2SA TRANSISTOR 2SA			
C8818	1-104-665-11	ELECT	100UF	20.009		Q0010	0-729-210-22	TRANSISTOR 257	41102-U		
C8819	1-164-004-11	CERAMIC CHIP	0.1UF	10.009		Q8811	8-729-216-22	TRANSISTOR 2SA	A1162-G		
C8820	1-104-665-11	ELECT	100UF	20.009		Q8812	8-729-230-49	TRANSISTOR 2SO			
C8821	1-164-004-11	CERAMIC CHIP	0.1UF	10.009	6 25V						
C8822	1-164-004-11	CERAMIC CHIP	0.1UF	10.009				<resistor></resistor>			
C8823	1-164-004-11	CERAMIC CHIP	0.1UF	10.009							
C8824	1-117-720-11	CERAMIC CHIP	4.7UF		10V	R8801	1-216-089-11	RES-CHIP	47K	5%	1/10W
C8825	1-117-720-11	CERAMIC CHIP	4.7UF		10V	R8802	1-216-089-11	RES-CHIP	47K	5%	1/10W
C8826	1-164-004-11	CERAMIC CHIP	0.1UF	10.009	625V	R8803 R8804	1-216-025-11 1-216-025-11	RES-CHIP RES-CHIP	100 100	5% 5%	1/10W 1/10W
C8827	1-164-004-11	CERAMIC CHIP	0.1UF 0.1UF	10.009		R8805	1-216-025-11	SHORT	0	J 70	1/10 44
C8828	1-164-004-11	CERAMIC CHIP	0.1UF	10.009		110000	210 270 11		~		
C8829	1-164-004-11	CERAMIC CHIP	0.1UF	10.009		R8806	1-216-041-00	RES-CHIP	470	5%	1/10W
C8830	1-164-004-11	CERAMIC CHIP	0.1UF	10.009		R8807	1-216-041-00	RES-CHIP	470	5%	1/10W
						R8808	1-216-041-00	RES-CHIP	470	5%	1/10W
C8831	1-164-004-11	CERAMIC CHIP	0.1UF	10.009		R8809	1-216-025-11	RES-CHIP	100	5%	1/10W
C8832	1-163-249-11	CERAMIC CHIP	82PF	5.00%	50V	R8810	1-216-025-11	RES-CHIP	100	5%	1/10W





REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R8811	1-208-770-11	METAL CHIP	330	0.5%	1/10W	C5816	1-164-505-11	CERAMIC CHIP	2.2UF		16V
										10.000	
R8812	1-216-025-11	RES-CHIP	100	5%	1/10W	C5817	1-164-004-11	CERAMIC CHIP	0.1UF	10.009	
R8815	1-216-049-11	RES-CHIP	1K	5%	1/10W	C5818	1-163-239-11	CERAMIC CHIP	33PF	5.00%	
R8816	1-216-049-11	RES-CHIP	1K	5%	1/10W	C5820	1-163-239-11	CERAMIC CHIP	33PF	5.00%	50V
R8817	1-216-041-00	RES-CHIP	470	5%	1/10W	C5821	1-163-038-11	CERAMIC CHIP	0.1UF		25V
D0010	1 21 6 025 11	DEG CHID	100	50/	1/1011	G5022	1 162 000 11	CED A MC CHID	0.001111	10.000	. 5011
R8818	1-216-025-11	RES-CHIP	100	5%	1/10W	C5822	1-163-009-11	CERAMIC CHIP	0.001UF	10.009	
R8819	1-216-049-11	RES-CHIP	1K	5%	1/10W	C5823	1-126-933-11	ELECT	100UF	20.009	6 16V
R8820	1-216-049-11	RES-CHIP	1K	5%	1/10W	C5826	1-126-963-11	ELECT	4.7UF	20.009	6 50V
R8821	1-216-025-11	RES-CHIP	100	5%	1/10W	C5830	1-163-038-11	CERAMIC CHIP	0.1UF	20.007	25V
R8822	1-216-049-11	RES-CHIP	1K	5%	1/10W	C5831	1-126-933-11	ELECT	100UF	20.009	6 16V
R8823	1-216-049-11	RES-CHIP	1K	5%	1/10W	C5835	1-163-038-11	CERAMIC CHIP	0.1UF		25V
R8824		RES-CHIP	100	5%	1/10W	C5837		ELECT	100UF	20.009	
	1-216-025-11					C3637	1-126-933-11	ELECI	1000F	20.009	0 10 V
R8825	1-216-041-00	RES-CHIP	470	5%	1/10W						
R8826	1-216-025-11	RES-CHIP	100	5%	1/10W						
R8827	1-216-025-11	RES-CHIP	100	5%	1/10W			<connector></connector>			
K0027	1-210-025-11	KL5-CIII	100	370	1/10**			CONNECTOR			
R8828	1-216-025-11	RES-CHIP	100	5%	1/10W	CN5801	1-793-496-11	CONNECTOR, BO	OARD TO BO	OARD 20	P
R8829	1-216-025-11	RES-CHIP	100	5%	1/10W						
R8830	1-216-025-11	RES-CHIP	100	5%	1/10W						
								DIODE			
R8831	1-216-089-11	RES-CHIP	47K	5%	1/10W			<diode></diode>			
R8832	1-216-089-11	RES-CHIP	47K	5%	1/10W						
						D5802	8-719-914-44	DIODE DAP202K			
R8833	1-216-089-11	RES-CHIP	47K	5%	1/10W	D5803	8-719-105-46	DIODE RD3.3M-E			
						D3003	0-717-105-40	DIODE RD3.3M-L)2		
R8834	1-216-089-11	RES-CHIP	47K	5%	1/10W						
R8835	1-216-047-91	RES-CHIP	820	5%	1/10W						
R8836	1-216-047-91	RES-CHIP	820	5%	1/10W			<ferrite bead<="" td=""><td>></td><td></td><td></td></ferrite>	>		
R8837	1-216-025-11	RES-CHIP	100	5%	1/10W						
10057	1 210 023 11	ideb eiiii	100	570	1/1011	FB5801	1-410-397-21	FERRITE	1.1UH		
R8838	1-216-053-00	RES-CHIP	1.5K	5%	1/10W		1-410-397-21	FERRITE	1.1UH		
R8839	1-216-053-00	RES-CHIP	1.5K	5%	1/10W	FB5803	1-410-397-21	FERRITE	1.1UH		
R8840	1-216-025-11	RES-CHIP	100	5%	1/10W	FB5804	1-410-682-31	INDUCTOR	470UH		
R8841	1-216-025-11	RES-CHIP	100	5%	1/10W	FB5805	1-410-397-21	FERRITE	1.1UH		
R8842	1-216-097-11	RES-CHIP	100K	5%	1/10W	1 25005	1 110 377 21	TERROTE	1.1011		
K0042	1-210-097-11	KES-CHIF	100K	370	1/10 W						
R8843	1-216-041-00	RES-CHIP	470	5%	1/10W			<ic></ic>			
								(IC)			
R8844	1-216-049-11	RES-CHIP	1K	5%	1/10W						
R8845	1-216-049-11	RES-CHIP	1K	5%	1/10W	IC5801	8-759-476-87	IC SAA5261			
R8846	1-216-041-00	RES-CHIP	470	5%	1/10W	IC5802	8-759-239-14	IC TA78L05S-TPE	2		
R8847	1-216-121-11	RES-CHIP	1M	5%	1/10W						
R8848	1-216-073-00	RES-CHIP	10K	5%	1/10W			<chip conduct<="" td=""><td>ΓOR></td><td></td><td></td></chip>	ΓOR>		
R8849	1-216-049-11	RES-CHIP	1K	5%	1/10W						
R8850	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	JR5801	1-216-295-11	SHORT	0		
K6650	1-210-031-00	KES-CIII	1.2K	370	1/10 W			SHORT			
						JR5804 JR5805	1-216-295-11		0		
		<crystal></crystal>				JKJ60J	1-216-295-11	SHORT	U		
X8801	1-781-946-21	VIBRATOR, CRYS	STAL					<transistor></transistor>			
						05001	0.700.100.00	TD ANGIOTOD 20	01/02 1 51 /		
						Q5801	8-729-120-28	TRANSISTOR 2S			
						Q5803	8-729-120-28	TRANSISTOR 2S	C1623-L5L6		
******	******	******	*******	******	******	Q5806	8-729-120-28	TRANSISTOR 2S	C1623-L5L6		
						Q5807	8-729-120-28	TRANSISTOR 2S	C1623-L5L6		
*	: A 12/7 165 A	V2 BOARD COM	OI ETE			Q5808	8-729-120-28	TRANSISTOR 2S			
•	A-1347-103-A					Q3606	0-729-120-20	TRANSISTOR 25	C1023-L3L0		
		******	****								
						Q5810	8-729-120-28	TRANSISTOR 2S	C1623-L5L6		
						Q5817	8-729-026-49	TRANSISTOR 2S.	A1037AK-T1	46-QR	
		<capacitor></capacitor>				-				-	
C5801	1-104-664-11	ELECT	47UF	20.009	6 16V			<resistor></resistor>			
C5805	1-163-038-11	CERAMIC CHIP	0.1UF		25V						
C5806	1-163-038-11	CERAMIC CHIP	0.1UF		25V	R5800	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
C5814	1-163-021-91	CERAMIC CHIP	0.01UF	10.009		R5801	1-216-295-11	SHORT	0	/0	
										50/	1/1037
C5815	1-163-251-11	CERAMIC CHIP	100PF	5.00%	30 V	R5802	1-216-025-11	RES-CHIP	100	5%	1/10W
						R5803	1-216-295-11	SHORT	0		
						R5821	1-216-083-00	RES-CHIP	27K	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
D.5022	1 216 025 11	DEC CHID	100	50/	1/1037		1 107 264 11	MVI AD	0.01115	10.000	(2001/
R5822	1-216-025-11	RES-CHIP	100	5%	1/10W	C5407	1-107-364-11	MYLAR	0.01UF	10.00%	
R5824 R5825	1-216-295-11 1-216-295-11	SHORT SHORT	0			C5408 C5409	1-107-364-11 1-107-649-11	MYLAR ELECT	0.01UF 2.2UF	10.00%	
R5825 R5827	1-216-295-11	SHORT	0			C5410	1-107-049-11	MYLAR	0.001UF	5.00%	
R5828	1-216-293-11	RES-CHIP	100	5%	1/10W	C5410	1-130-471-00	MYLAR	0.001UF	5.00%	
KJ626	1-210-025-11	кез-спіг	100	370	1/10 W	C3411	1-130-4/1-00	WIILAK	0.00101	3.00%	30 V
R5829	1-216-025-11	RES-CHIP	100	5%	1/10W	C5412	1-126-935-11	ELECT	470UF	20.00%	6 16V
R5830	1-216-295-11	SHORT	0			C5413	1-107-648-91	ELECT	100UF	20.00%	б 160V
R5831	1-216-295-11	SHORT	0			C5415	1-104-999-11	MYLAR	0.1UF	10.00%	6 200V
R5832	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W	C5417	1-101-821-00	CERAMIC	0.0022UF		500V
R5835	1-216-295-11	SHORT	0			C5418	1-107-638-11	ELECT	33UF	20.00%	5 160V
R5839	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W						
R5841	1-216-035-11	RES-CHIP	1.5 K 100	5%	1/10W 1/10W			<connector></connector>			
R5842	1-216-065-91	RES-CHIP	4.7K	5%	1/10W			CONNECTOR			
R5843	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	CN5401*	1-770-723-11	CONNECTOR, BC	ARD TO BO	ARD 8P	
R5845	1-216-017-91	RES-CHIP	47	5%	1/10W		1-764-334-11	PLUG, CONNECT		into or	
								,			
R5846	1-216-049-11	RES-CHIP	1K	5%	1/10W						
R5847	1-216-037-00	RES-CHIP	330	5%	1/10W			<diode></diode>			
R5848	1-216-027-00	RES-CHIP	120	5%	1/10W						
R5849	1-216-049-11	RES-CHIP	1K	5%	1/10W	D5400	8-719-911-19	DIODE 1SS119-25			
R5857	1-216-049-11	RES-CHIP	1K	5%	1/10W	D5401	8-719-510-02	DIODE DINS4			
D5060	1 216 040 11	DEC CHID	177	50/	1/1033/	D5402	8-719-911-19	DIODE 188119-25			
R5860 R5861	1-216-049-11 1-216-025-11	RES-CHIP RES-CHIP	1K 100	5%	1/10W 1/10W	D5403 D5404	8-719-911-19 8-719-911-19	DIODE 1SS119-25 DIODE 1SS119-25			
R5863	1-216-025-11	RES-CHIP	100	5% 5%	1/10W 1/10W	D5404	8-719-911-19	DIODE 188119-25			
R5866	1-215-880-00	METAL OXIDE	100	5%	2W	D5405	8-719-110-56	DIODE RD22ES-B	:1		
R5879	1-216-049-11	RES-CHIP	1K	5%	1/10W	D5406	8-719-110-56	DIODE RD22ES-B			
					.,						
R5880	1-216-049-11	RES-CHIP	1K	5%	1/10W						
R5882	1-216-025-11	RES-CHIP	100	5%	1/10W			<coil></coil>			
R5884	1-216-025-11	RES-CHIP	100	5%	1/10W						
R5885	1-216-025-11	RES-CHIP	100	5%	1/10W	L5400	1-412-525-31	INDUCTOR	10UH		
R5886	1-216-041-00	RES-CHIP	470	5%	1/10W						
D5007	1 216 027 00	DEC CHID	120	5 0/	1/1037			ZD ANGICTOD			
R5887 R5888	1-216-027-00 1-216-037-00	RES-CHIP RES-CHIP	120 330	5% 5%	1/10W 1/10W			<transistor></transistor>			
R5889	1-216-037-00	RES-CHIP	330	5%	1/10W 1/10W	Q5400	8-729-119-78	TRANSISTOR 2SO	22785_HEE		
R5890	1-216-049-11	RES-CHIP	1K	5%	1/10W	Q5400 Q5401	8-729-119-78	TRANSISTOR 2SO			
R5891	1-216-049-11	RES-CHIP	1K	5%	1/10W	Q5402	8-729-119-78	TRANSISTOR 2SO			
						Q5403	8-729-119-78	TRANSISTOR 2SO	C2785-HFE		
R5893	1-216-027-00	RES-CHIP	120	5%	1/10W	Q5404	8-729-119-76	TRANSISTOR 2SA	A1175-HFE		
						Q5405	8-729-119-76	TRANSISTOR 2SA			
		<crystal></crystal>				Q5406	8-729-045-05	TRANSISTOR 2SA			
X5801	1-578-774-11	VIBRATOR, CRYS	TAI			Q5407	8-729-045-04	TRANSISTOR 2SO	.3311		
A3001	1-376-774-11	VIBRATOR, CRTS	IAL								
								<resistor></resistor>			
******	******	*******	******	******	*****	R5401	1-249-425-11	CARBON	4.7K	5%	1/4W
						R5402	1-249-415-11	CARBON	680	5%	1/4W
*	A-1342-570-A	VM BOARD MOU ************				R5403	1-247-739-11	CARBON	100	5%	1/2W
		****	****			R5404	1-249-418-11	CARBON	1.2K	5%	1/4W
	4-382-854-11	SCREW (M3X10),	D CW (1)			R5406	1-249-425-11	CARBON	4.7K	5%	1/4W
	T-J02-0J4-11	BUNEW (MBAIU),	1,511 (+)			R5407	1-249-399-11	CARBON	33	5%	1/4W
						R5407 R5408	1-247-807-31	CARBON	100	5%	1/4W
		<capacitor></capacitor>				R5409	1-249-409-11	CARBON	220	5%	1/4W
						R5410	1-249-401-11	CARBON	47	5%	1/4W
C5401	1-126-935-11	ELECT	470UF	20.00%	616V	R5411	1-249-401-11	CARBON	47	5%	1/4W
C5402	1-137-194-81	FILM	0.47UF	5.00%	50V						
C5403	1-126-935-11	ELECT	470UF	20.00%		R5412	1-249-429-11	CARBON	10K	5%	1/4W
C5405	1-126-933-11	ELECT	100UF	20.00%		R5413	1-249-414-11	CARBON	560	5%	1/4W
C5406	1-126-935-11	ELECT	470UF	20.00%	6.3V	R5414	1-249-432-11	CARBON	18K	5%	1/4W



REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO. PART NO.	DESCRIPTION	REMARK
R5415	1-247-739-11	CARBON	100	5%	1/2W	8-453-011-11	NA299-M	
R5416	1-249-385-11	CARBON	2.2	5%	1/4W	₾ 8-451-504-61	DEFLECTION YOKE (Y29RSC-Y3)	
55445		G. DDO.	1077	-	4 / / ***	▲ 8-735-056-05	PICTURE TUBE (M68LNH070X)	
R5417	1-249-432-11	CARBON	18K	5%	1/4W		,	
R5418	1-249-414-11	CARBON	560	5%	1/4W			
R5419	1-249-421-11	CARBON	2.2K	5%	1/4W			
R5420	1-249-421-11	CARBON	2.2K	5%	1/4W	************	**********	******
R5421	1-249-385-11	CARBON	2.2	5%	1/4W			
							ACCESSORIES AND PACKING MATE	RIALS
R5422	1-249-405-11	CARBON	100	5%	1/4W		*************	
R5423	1-215-915-11	METAL OXIDE	470	5%	3W			
R5424	1-249-395-11	CARBON	15	5%	1/4W			
R5425	1-249-401-11	CARBON	47	5%	1/4W	A 1028 682 A	PACKING GROUP (SET)	
R5427	1-249-395-11	CARBON	15	5%	1/4W	3-701-910-00	SCREW, SPECIAL (DIA. 3.8X20)	
						4-078-366-11	MANUAL INSTRUCTION	
						* 4-029-168-01		
							BAG, PROTECTION JOINT	
*****	******	*******	******	*****	******	4-065-210-01	JOINT	
						* 4.076.402.01	CUCHION (LOWED)(ACCV)	
		MISCELLANEOU	JS			* 4-076-402-01	CUSHION (LOWER)(ASSY)	
		******	**			* 4-076-405-01	CUSHION (UPPER)(ASSY)	
						* 4-076-408-01	INDIVIDUAL CARTON	
						4-392-003-11	BAND, HOLD	
/i	1-419-294-11	COIL, DEGAUSS	ING			4-392-004-11	CLIP	
<u> </u>	1-452-896-11	COIL, NA ROTAT)			TTD 133	
	1-452-094-00	CIRCULAR DISC	,	,		* 4-076-409-01	TRAY	
	1-452-094-00	MAGNET.DISC	MAGNETI)				
	1-452-896-11	COIL, NA ROTAT	ION (DT200	`				
	1-432-090-11	COIL, NA KOIAI	ION (K1200	,				
	1-503-902-41	SPEAKER (15X6.	5CM)			*************	***************	******
	1-505-902-41	SPEAKER (5CM)	,					
	1-251-658-21	SPLITTER RF					REMOTE COMMANDER	

	* 1-555-110-00	P-P CABLE						
Δ	△ 1-574-062-52	CORD, POWER (WITH CON	NECTO	R) 2.5A/250V			
						1-476-291-11	REMOTE COMMANDER (RM-963)	
						4-079-833-01	BATTERY COVER, REMOTE COMMA	NDER
						1		

KV-EX29M69 RM-963